

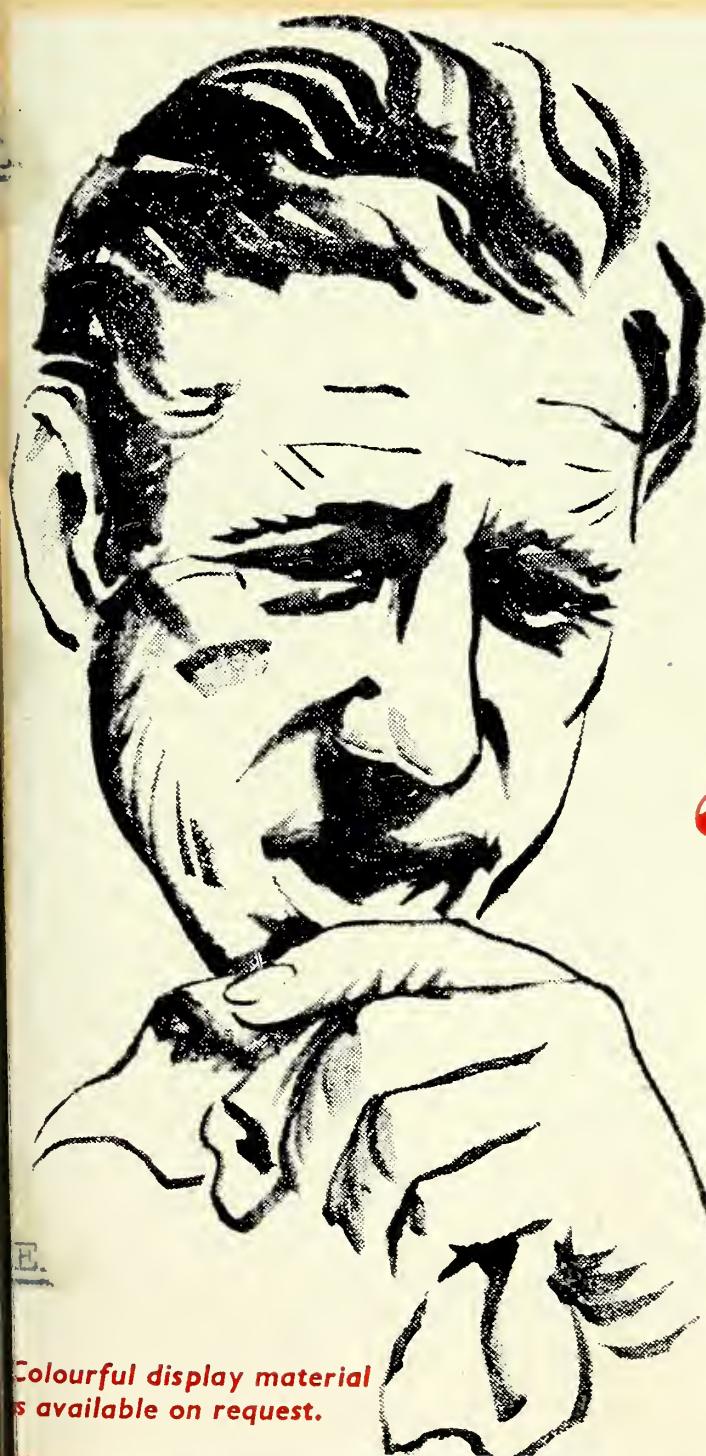
The



CHEMIST AND DRUGGIST

for RETAILER — WHOLESALER — MANUFACTURER

DECEMBER 13, 1952



★ **for your customers**
... speedy relief
from troublesome
coughs

★ **for yourself**
... assured
repeat sales if
you recommend

‘ZEPHROL’

trade mark

brand

EPHEDRINE COUGH SYRUP

The efficacy, rapidity of action and palatability of ‘Zephrol’ ensure that your customers will call again. Supplied in 2½ fl. oz. bottles. List price 2s. 6d. plus purchase tax. Bonus terms of 13 to the dozen from wholesalers.

AN M&B BRAND MEDICAL PRODUCT

manufactured by



MAY & BAKER LTD

MAB73

Colourful display material
available on request.

Distributors: PHARMACEUTICAL SPECIALITIES (MAY & BAKER) LTD · DAGENHAM

A FINE TRADITION—

*maintained and upheld in
many parts of the world by
the skill of Scottish Industry.*



TOURING BUS
BUILT BY ALBION MOTORS LTD.
GLASGOW.

T. & H. SMITH LTD.

BLANDFIELD CHEMICAL WORKS

EDINBURGH · SCOTLAND

For Fine Chemicals and
Pharmaceutical Preparations

including

CITRATES
CAFFEINE
CODEINE
CANTHARIDIN
STRYCHNINE.



Yes, the "extras" that go with Glaxo Standard Parcels are real business assets. They include a generous discount...convenience of ordering...prompt delivery...and, with many parcels, colourful display material. Here is a small selection from the Glaxo range of fast-selling winter lines.

PRODUCT	PARCEL NUMBER	CONTENTS	PARCEL PRICE	PARCEL SELLS AT
ADEXOLIN Capsules <i>Trade mark</i>	1*	2 doz. x 25	£1 12 0 net	£2 8 0
ADEXOCAL Tablets <i>Trade mark</i>	3*	1 doz. x 50	£1 6 8 net	£2 0 0
MINADEX <i>Trade mark</i>	1	2 doz. x 6-oz.	£2 0 0 + P.T.15/-	£3 15 0
OSTOCALCIUM Tablets <i>Trade mark</i>	1*	2 doz. x 50	£1 16 0 net	£2 14 0

* Packed with display material

Please order parcels direct from Greenford,
quoting your wholesaler's name for invoicing purposes



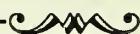
AXO LABORATORIES LTD., GREENFORD, MIDDLESEX BYRON 3434

A new combination

C O D I S

REGD.

*soluble aspirin with
codeine phosphate and phenacetin*



Codis presents a familiar grouping of analgesic drugs ; aspirin, phenacetin, codeine phosphate ; with an important advantage. The "aspirin" in Codis is rendered soluble, as in "Solprin".

Placed, uncrushed, in water, a Codis tablet disperses in a matter of seconds to form a solution of calcium aspirin and codeine phosphate with finely suspended phenacetin. The chance of irritation of the gastric mucosa by undissolved particles of aspirin is thus minimised.

Codis is recommended for all those conditions for which Tab. Codein. Co. B.P. would be prescribed. It has the added advantages of greater ease of administration and far less likelihood of aspirin intolerance, while the rapid absorption of the soluble aspirin promotes prompt relief.

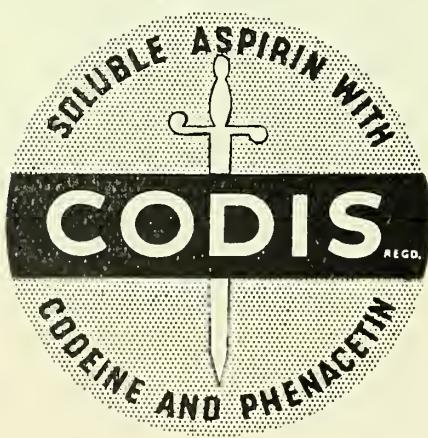
C O M P O S I T I O N

Each Codis tablet contains : Acid. Acetyl-salicyl. B.P. 4 grs., Phenacet. B.P. 4 grs., Codein Phosph. B.P. 0.125 grs., Calc. Carb. B.P. 1.2 grs., Acid. Cit. B.P. (Exsic.) 0.4 grs., Excip. ad. 11.45 grs.

Codis is not advertised to the public.

DISPENSING PACKS : (Purchase Tax free)
Hospital bottles of 400 tablets 18/6 each.
Prescription box of 300 tablets in distinctive gold foils of 6 tablets each 16/6 per box.

PUBLIC SIZES. Packs of 20 tablets 2/9 each including Purchase Tax.



The Task and the Result

PROJECT CS. 221/CLB

To devise a pharmaceutical preparation for use in the treatment of chilblains which should :

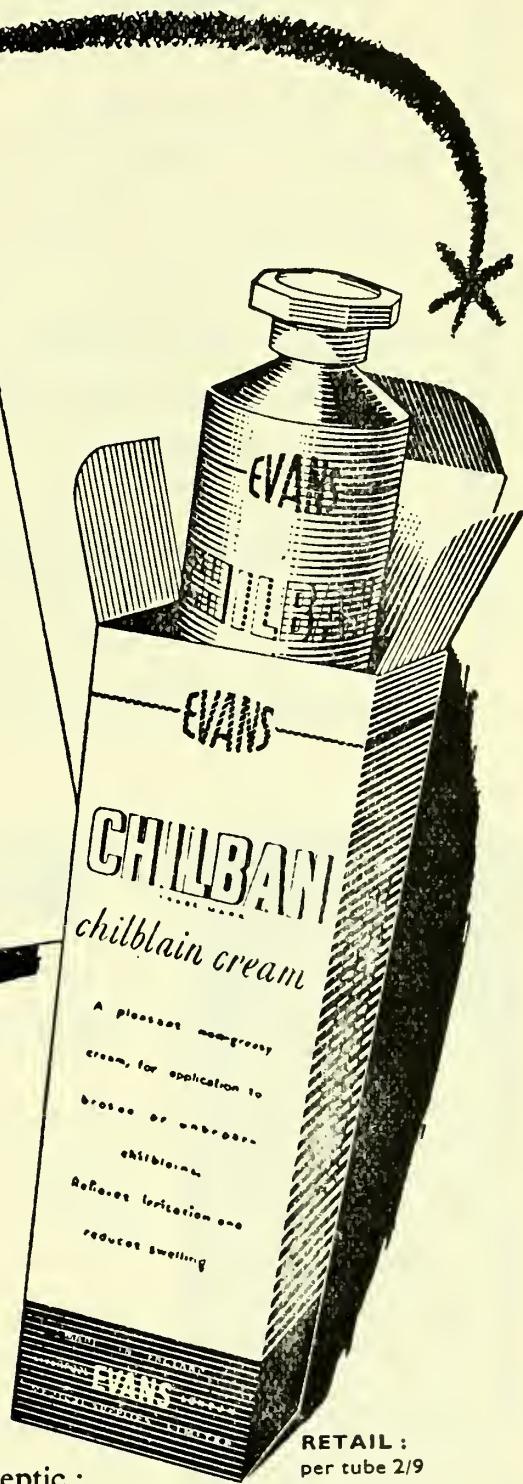
- relieve irritation promptly
- reduce swelling and redness
- vanish into the skin with the minimum of rubbing on tender areas
- be non-greasy, non-staining and not unpleasant in odour.

The Result

* CHILBAN

CHILBLAIN CREAM

new and efficacious preparation for relieving irritation and swelling arising from broken and broken chilblains • Non-greasy ; non-staining antiseptic ; contains no irritating rubefacients • Attractively packed in cartoned boxes supplied in display outers • Free Counter leaflets and Showcard.



RETAIL :
per tube 2/9
including tax.

TRADE : per doz. 18/-
plus 33½% purchase tax.

Evans Medical Supplies Ltd • Speke, Liverpool 19

Cephos

PRONOUNCED
SEE-FOSS

POWDERS AND TABLETS

***Sell Readily
and Steadily!***

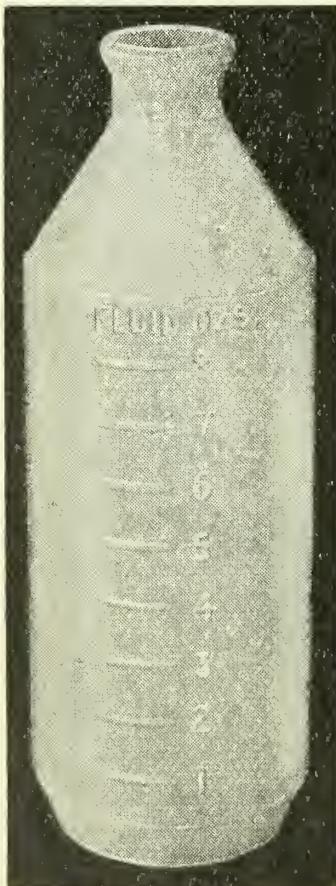
Backed by forceful and continuous advertising !

NEWS FLASH!

More aid to the Trade !
New range of 'point of sale' advertising material available!

Trade enquiries to :
CEPHOS LTD.
BLACKBURN

PTT



"SKYLON" POLYTHENE FEEDING BOTTLE

P.A.T.A.

The new modern lightweight feeding bottle that no mother should be without. Indispensable at all times. Made of Pure Polythene. Safe and

- UNBREAKABLE
- HYGIENIC
- TASTELESS
- ODOURLESS

UNAFFECTED BY FOODSTUFFS

All standard teats fit the neck. We recommend its use with a valve teat. Will keep contents warm longer than any glass bottle

Manufactured by

FIBRENYLE LTD.



Also Dual-Purpose Feeder complete with "Skylon" Brand teat combining all the benefits of feeding bottle with the advantage of a food measure.

Supplies are obtainable through
**YOUR USUAL
WHOLESALER
or direct**

Showcards available

157 DUKES RD., LONDON, W.3
Telephone: ACORN 5073

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★ Are you taking advantage of the weather—and the BONUS TERMS for ESÖBACTULIN? Display Now!

6 Capsules taken over 5 days give most people 3 months' immunity from COLDS.

NOW BEING ADVERTISED

ESÖBACTULIN

PROTECTION AGAINST COLDS

RETAIL 8/3 inc. tax

33½% DISCOUNT

★ PLUS BONUS
13 to the dozen

SUPPLIED THROUGH YOUR WHOLESALER

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13 TO THE DOZEN

TAKE ADVANTAGE OF THIS SPECIAL OFFER



★ An attractive pack and a proved seller

Simpkins

**CHERRY LINCTUS
PASTILLES**

With every minimum order of 3 dozen tins of Cherry Linctus Pastilles, we will give 13 tins to the dozen.

The retail price including P.T. is 1/9 per tin. The price to the Chemist is 11/9 per dozen plus 3/11 P.T.

Order now to meet your Winter requirements.

These Pastilles are also available in 5 lb. display jars and 5 lb. tins in bulk.

Simpkins of Sheffield



CHLOROPHYLL

is today the biggest best seller!

We are the first to offer it in the most pleasant way at a very popular price and with a large margin of profit for you as

"PHYLL"

the CHLOROPHYLL CHEWING GUM

If you are a Wholesaler . . . please fill in and send us the attached coupon

If you are a Retailer . . . please fill in and send us the coupon as well; we shall pass it to wholesalers distributing these lines

Yours for good service

DEGREE MANUFACTURING CO. LTD

To DEGREE MFG., CO. LTD

Southall Lane, Southall, Middx.

Send me—without obligation on my side—FREE samples prices and other details of "PHYLL" the Chlorophyll Chewing Gum

I am a WHOLESALE / I am a RETAILER
(Please delete words not applicable)

Name.....

Address.....

If it's



PULSES

BULK OR PACKED • COATED OR UNCOATED • STANDARD OR SPECIAL FORMULÆ

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TONGUE DEPRESSORS

IMPORTED—PRE-WAR QUALITY

Size 6" x $\frac{1}{8}$ " x 2 mm. thick. Danish Beech, each one perfectly finished.
Over six million were sold last year without a single complaint.

Price to trade 19/- per thousand
(boxed 100's) Minimum order 10,000

FREE OFFER As an introduction a box of 100 will be supplied absolutely free to any genuine trade
house on application. Spatulas and applicators also supplied. Write for prices.

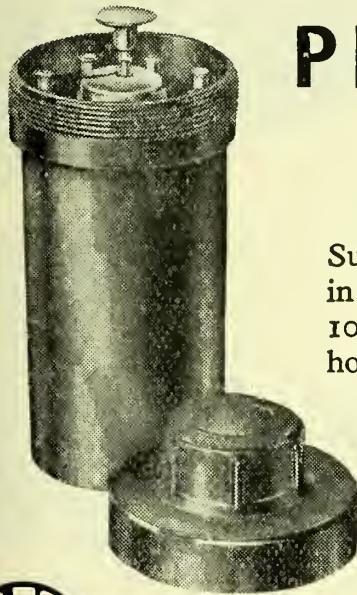
ASHWOOD TIMBER INDUSTRIES LTD.

Specialists in Veneer and Plywood products for all trades
IBEX HOUSE, MINORIES, LONDON, E.C.3.

ROYAL 2494

SURQUAL
REGD.

PLASTIC SYRINGE CASES



Surqual plastic syringe cases, spirit proof, made in four sizes to hold 1 or 2 c.c. syringe and 5 c.c., 10 c.c. and 20 c.c. syringes. The pocket size will hold syringe and needle complete and the larger sizes hold syringe and eight needles. Made from durable plastic, completely spirit proof. Ideal for doctors, hospitals, diabetics, etc. the $\frac{1}{2}$ c.c. size can be supplied with a base for standing on desk.

Details from



SURGICAL EQUIPMENT SUPPLIES LTD.
WESTFIELDS ROAD ACTON LONDON

T.A. 5098

**Step-Up YOUR Electric Blankets Sales
with**

Isoblanket
REGD. TRADE MARK

TRIO

now in showbox with carrier handles Prices: £10 5 0 incl. P.T.
Three-heat settings high-low-
and third for Foot WARMING only.

Also: Satin quilted cover for super comfort and exquisite looks Price £3 10 0.

Write for the latest leaflet describing the full range of Isopads and Isoblankets.

INCLUDING THE NEW ISOBLANKET
SINGLE HEAT (£7).



SOPAD LTD., Dept. C.D.1, 30/32 Rosemont Rd., London, N.W.3
Telephone: HAMPstead 8466

TK'S

MONTHLY

SINCERE

Christmas Greetings
FROM KERFOOT REPRESENTATIVES



A. W. Humphreys



E. Goode



H. M. Foster



W. H. Spinks

Newsletter



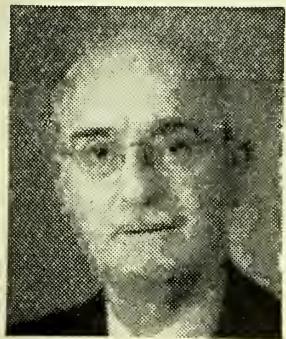
E. F. Pearson



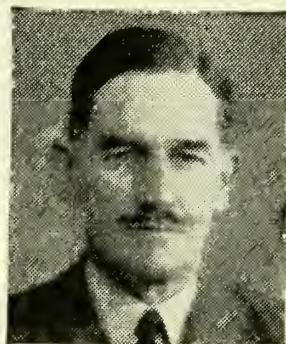
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W. E. Dobson



G. E. Hill



W. R. Heyworth



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C. F. Mugford



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Make your window do the spade-work !

The sturdy youngsters on the SevenSeas showcards 'sell' your customers *outside* your shop! Their health and happiness make a strong *appeal*. Feature them in your window with a colourful display of SevenSeas products and watch your sales rise. For a SevenSeas display serves you—it brings more and more customers into your shop! Write for the attractive 'Health and Vitality' and 'Mother and Baby' showcards—without delay!

SevenSeas PURE COD LIVER OIL

British Cod Liver Oils (Hull & Grimsby) Limited, St. Andrew's Dock, Hull.



GALENICALS for WINTER DISPENSING

*Manufactured under strict
supervision from finest
quality ingredients.*

RICHARD DANIEL & SON LTD
MANUFACTURING CHEMISTS

MANSFIELD ROAD **DERBY** Tel: 48266 (4 lines)
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Creative printing
FOR OVER 70 YEARS



THOMAS WAIDE & SONS LIMITED
KIRKSTALL HILL LEEDS.5.



For Headaches, Indigestion, Aches and Pains, Colds . . .



Somebody's going to need
Alka-Seltzer!

Here's big advertising news—Alka-Seltzer is now on Radio Luxembourg! Tell your customers to tune in to 208 metres on Wednesdays and Thursdays at 9.45 p.m. and Sundays at 9.15 p.m. when Alka-Seltzer present the famous American vocal team, Curt Massey and Martha Tilton. And cash in yourself on the Alka-Seltzer radio and press advertising—display Alka-Seltzer NOW! Write today for display terms and attractive show material.

DON S. MOMAND LIMITED
 58 ALBANY STREET, LONDON, NW1
 Sole Distributors for
 MILES LABORATORIES LTD, BRIDGEND, SOUTH WALES

ANNOUNCING -



PACK:
Tin of 30 Capsules
(1 month's supply)

'WANDERVITE' *Eleven-Vitamin HIGH POTENCY CAPSULES*

'WANDERVITE' Capsules provide not merely adjunctive quantities to aid nutritional insufficiency, but the full approximate adult daily requirement of each of the *eleven* constituent vitamins. Each capsule contains—

Vitamin A - - - - 5,000 i.u.	Vitamin B ₁ - - - - 2.5 mg.	Nicotinamide - - - - 15 mg.
Vitamin C - - - - 50 mg.	Vitamin B ₂ - - - - 2.5 mg.	d-Calcium
Vitamin D - - - - 1,000 i.u.	Vitamin B ₆ - - - - 1 mg.	pantothenate - - 5 mg.
Vitamin E - - - - 5 mg.	Vitamin B ₁₂ - - - - 1 µg.	Folic acid - - - - 0.1 mg.

Because a diagnosis of deficiency of one vitamin or group usually implies widespread avitaminosis, treatment of vitamin deficiency disease demands omnibus therapy. 'Wandervite' Capsules provide it.

Each 'Wandervite' Capsule provides a *daily* quota of all the important accessory factors the presence of which is known or believed to be essential to normal health.

STOCK NOW AGAINST
ANTICIPATED PRESCRIPTION DEMAND

'WANDERVITE'

The High Potency Polyvitamin product produced under
the control of Ovaltine Research Laboratories

ADVANTAGES—

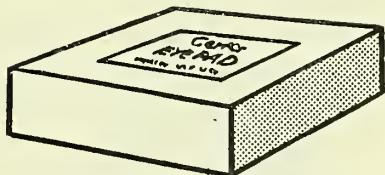
Economy of pack and price
Comprehensiveness of formula
Convenience of shape
and size
Full daily dosage in
each capsule

Trade terms on request from Sales Department:
A. WANDER LIMITED, 42 Upper Grosvenor St., London W.1.

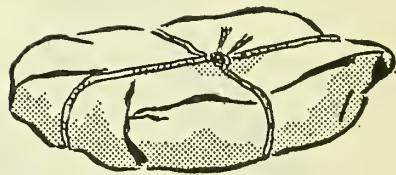
Phone: GROsvenor 3931 (10 lines)



WHICH DO YOU PREFER?



THIS OR
THIS



THE CARTON OF COURSE!

The carton has it in every way. Especially when it contains lines like bed pans, inhalers, urinals, or feeding cups. It takes up less time at the counter. It is easier to handle. It looks better. And it is more secure.

Certor packaging eases the problem of these awkward-to-wrap lines. The cartons keep the goods in the best condition while in stock. And they are ready to hand over to the customer when they are wanted.

Now is the time to prove the benefit of Certor packed sick-room sundries.

Certor SUNDRIES

Good quality sundries at keen prices

DISPENSING SUNDRIES DISCOUNT SCHEME

Are you getting discounts on your dispensing sundries? All the lines shown on the front of our dispensing sundries card are subject to special discounts. Write for details.

MACDONALD & SON LTD.

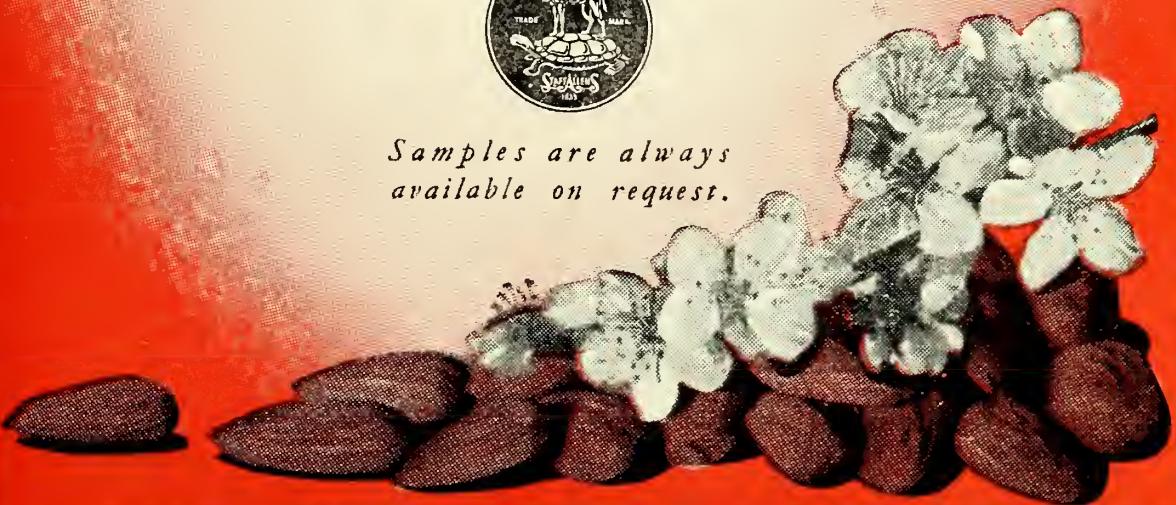


Cold-pressed
**ALMOND
OIL**

This pure oil, expressed at our Wharf Road works without the use of heat, is quite the finest oil produced, and has long been a StaffAllenS speciality



*Samples are always
available on request.*

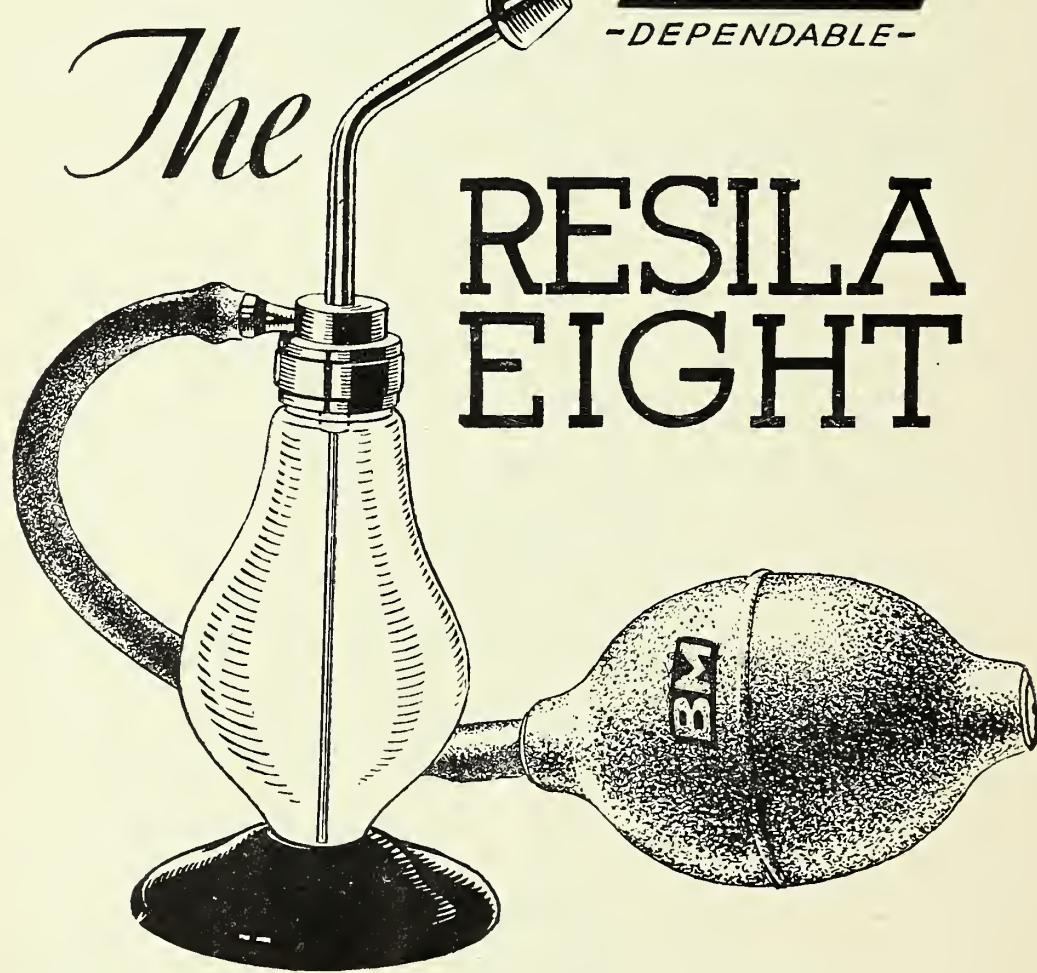


STAFFORD ALLEN & SONS LTD., Wharf Rd., London, N.I. CLErkenwell 1000

TAS/AL.269

B

A BRITISH PRODUCT



RESILA EIGHT

A new registered design in which a tapered glass reservoir is screwed into a wide black plastic base. An outstanding Medical Spray for water or light oil solutions, efficient and economical to the last drop.

A CHEMIST'S OPINION—"YOUR RESILA EIGHT is a wonderful job, and most reliable."

WELL ADAPTED FOR N.H.S. SUPPLIES

PRICE 8/9 each

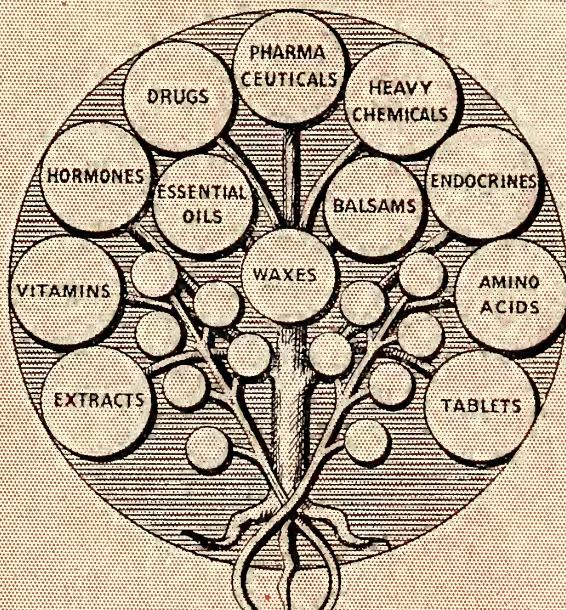
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38 SOUTHWARK BRIDGE ROAD, LONDON, S.E.1. WATerloo 4874-6



D E P E N D A B L E



From where they are produced—to where they are required.



Amongst the chemotherapeutic products most recently developed, we are able to offer the following:

Crude Liver Extracts for injection.

Pituitary Posterior Lobe Powder.

Iso Nicotinyl Hydrazide.

Vitamin D2 (Calciferol). Vitamin D3.

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BIGGEST EVER GIFT SCHEME FOR DOMESTOS AND STERGENE

***Fabulous Koh-i-Noor Diamond as Consolation
Prize in Colossal Est Ever Sales Urge.***



Domestos Ltd., who have rigidly opposed Gift Schemes of any and every kind, have round-about-turned. So fast indeed, they still admit giddiness.

The news was broken to our Extra Special Correspondent in an exclusive interview behind locked doors today.

"Having, as it were, cast our hoax," declared the Sales Manager, "We shall do the thing in style. We are thinking," he said, "of offering as prizes the Sydney Bridge and perhaps the 'Queen Mary.'"

"And what of the Koh-i-Noor?" we whispered admiringly.

"Pooh! Teen age stuff!" he declared.

The competition will be quite simple. Dealers will have no coupons to collect. Entrants would merely send in a predetermined number of Bottle Tops.

"How many?" we enquired.

"We don't know yet," we were told. "Details have yet to be finalised; probably about ten million!"

In addition there will be a brief 'postcard only' appraisal of the product—not more than five thousand words. "After all," commented the Sales Manager, "If our calculations are correct they'll have plenty of time!"

"We believe," he continued, "The scheme will be unique. It will be the first occasion in history a housewife has had an opportunity to win a bridge—or a boat big enough to live in for that matter!"

"And what," we asked, "What would the winner do with the Sydney Bridge?"

"So far as I am concerned, ole man," replied the Sales Manager, "She can jump off it!" Anyway, he confided, "I personally doubt if anyone will win. They won't live long enough!"

He laughed heartily as he drove home his point. "Don't you see, ole man, that's the infernally clever part about it? They won't live long enough to win—we hope!"



Simple Rules.

To qualify, Entrants for this simple contest will send in ten million Stergene and/or Domestos Bottle Tops. Winners will be those who give the best brief description—not to exceed 5,000 words—of "Why I use Domestos and Stergene." Entries will be written in block letters on one side of a postcard only.



1ST. Prize
THE "QUEEN MARY"

2ND. Prize
THE SYDNEY BRIDGE

Consolation Prize
THE KOH-I-NOOR DIAMOND

(Or, if unobtainable a bargain box of Kippers!)



*New!
for Babies*

*News
for You!*



**Rose Hip AND
Orange AND
Extra Glucose—
in ONE Syrup!**

it's Rosena

For the first time Rose Hip syrup, pure Orange Juice and extra Glucose have been combined in one delicious blend — ROSENA.

Made by the makers of Ribena, it is —

- ★ Rich in Vitamin C — not less than 56 mgms. per fluid oz.
- ★ Contains EXTRA Glucose with cane sugar and fruit sugar.
- ★ Sweetly blended to appeal especially to babies and young children.
- ★ Can be taken neat or diluted.
- ★ Does not cause stomach or bowel troubles.
- ★ Fully supported by national advertising in women's magazines, doctors' and nurses' papers and attractive display material.



P.A.T.A.

Order now!
Rosena
is another
winner from
Carter's of
Coleford, Glos.

To the Public: 2/10 a bottle (approx. 8 ozs.)

To Chemists: (Minimum direct — 6 doz.)

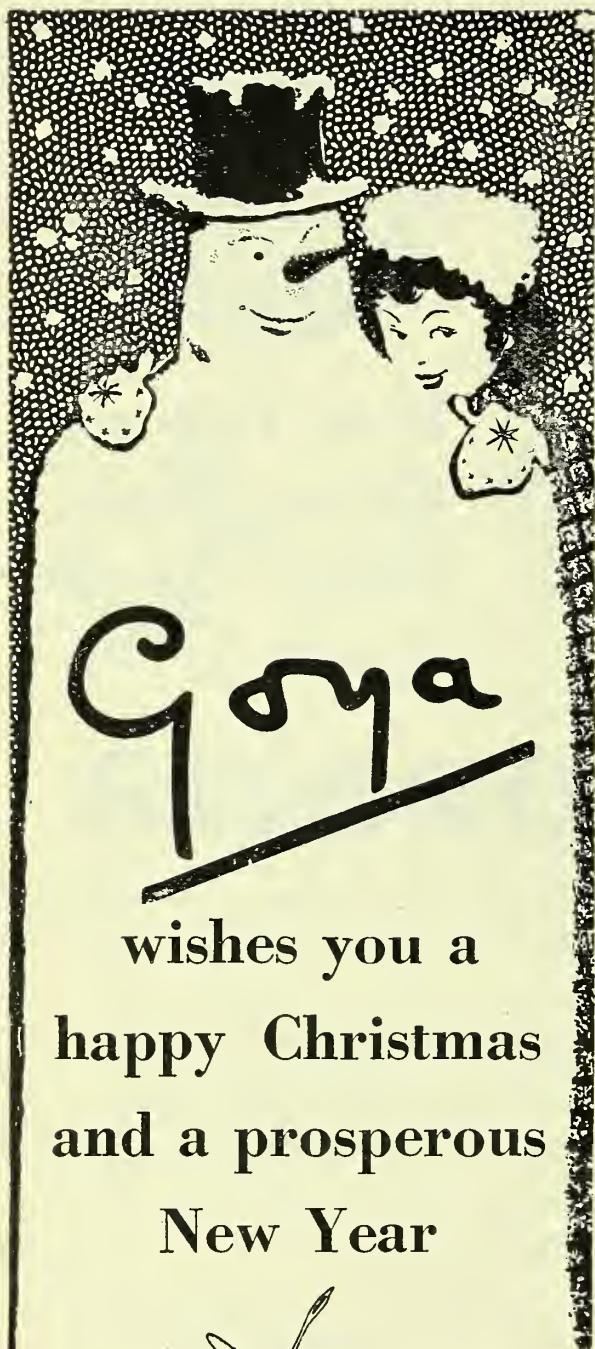
1 dozen: 27/- per dozen

6 dozen: 26/4d. " "

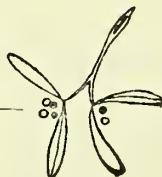
12 dozen: 24/8d. " "

WINDOW DISPLAY BONUS

In return for 14 days' continuous Window Display we will allow a special bonus of 2 bottles to every 2 dozen ordered during January and February ONLY whether ordered direct or through Wholesaler. Bonus despatched direct from Manufacturer only.



wishes you a
happy Christmas
and a prosperous
New Year



Thank you for your support
in 1952. Goya hopes the
same grand co-operation may
make 1953—Coronation
Year—a still finer year
for all.

Let REGNA do your RECKONING

A system of ready reckoning as you go along, simply and quickly by fingertip control:—

ANALYSES
ADDS
and
LISTS

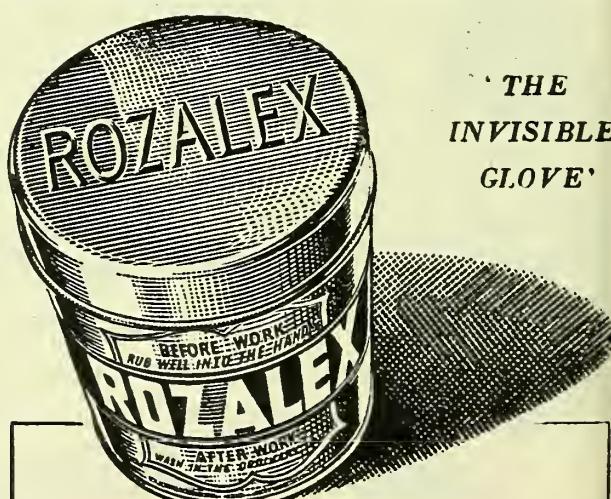
PRICE £90

(Deliveries Ex Stock)

REGNA
CASH REGISTER

THE REGNA CASH REGISTER CO

Proprietors : The Joeli Safe Co. (London) Limited
7 York Place Adelphi, London, W.C.2. TRAfalgar 3718



Stops dirt from getting
into the skin

2/6 A TIN (Including P.T.)

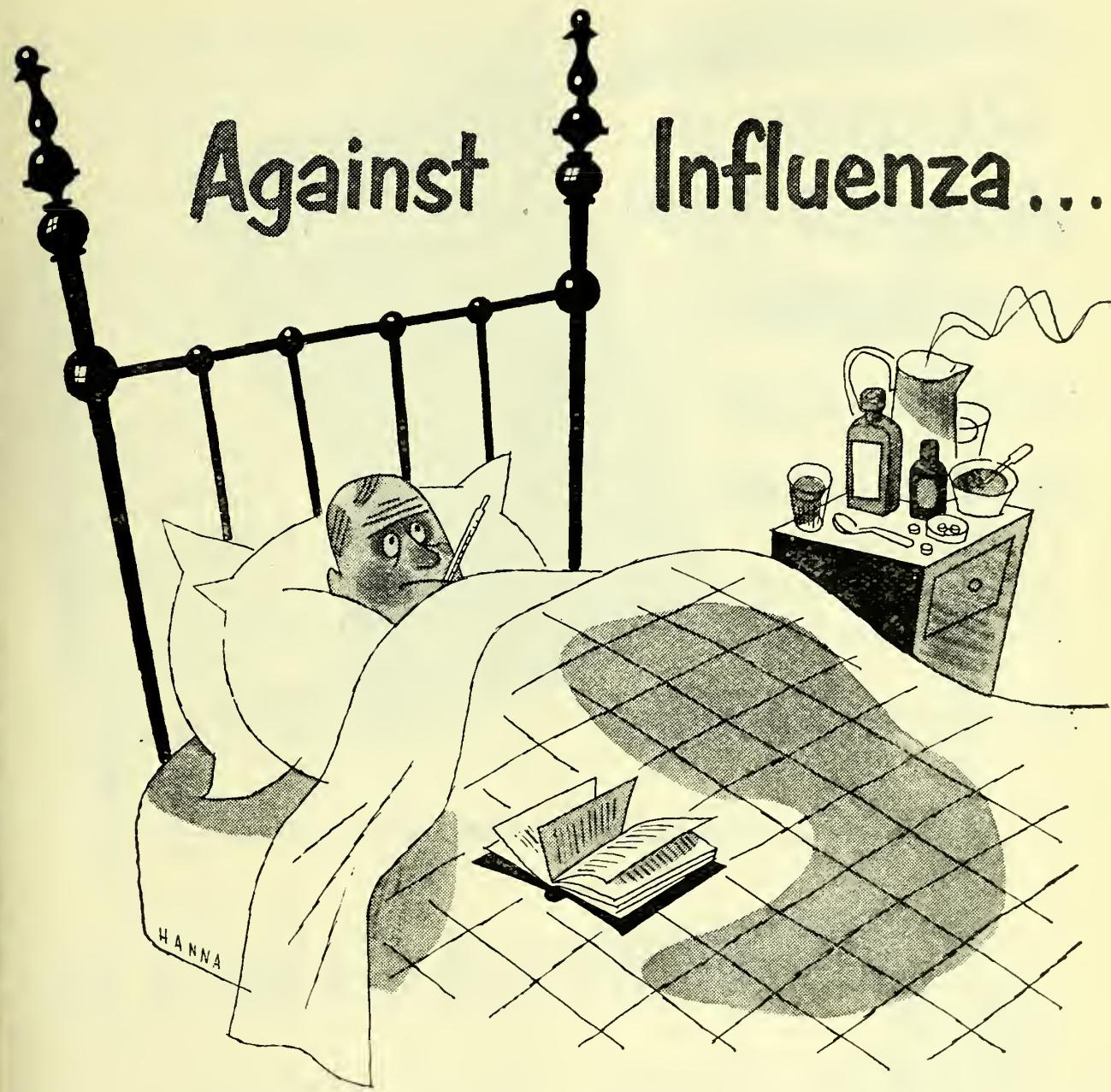
ROZALEX

Obtainable from your usual wholesaler

Trade Discount 25%

ROZALEX LTD., 10 NORFOLK STREET, MANCHESTER 2

Against Influenza...



Even the best of health is not impregnable. But those suffer worst and longest whose resistance has already been worn down by the rigours of winter. A good tonic helps to restore wasted reserves and resilience in the face of disease. If influenza strikes,

it will do much to curtail the characteristic wretchedness of convalescence. 'Neuro Phosphates' ('Eskay') is a good, classical tonic. Its reputation for excellence rests on the long-continued confidence of the medical profession.

'Neuro Phosphates'

Issued in 8-oz. bottles

('Eskay')

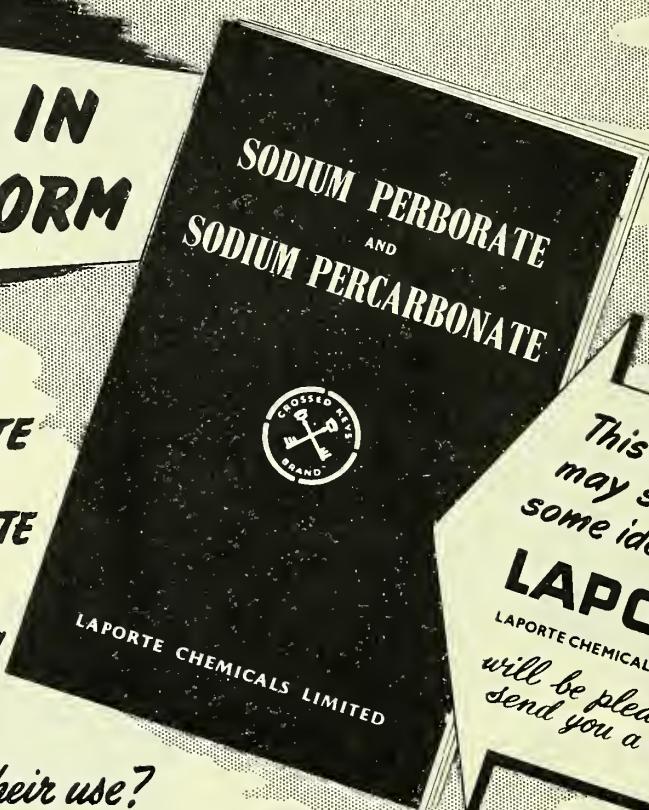
*Pharmaceutically elegant
Therapeutically effective
Of refreshing green colour
Eminently palatable
Widely prescribed*

MENLEY & JAMES, LIMITED, COLDHARBOUR LANE, LONDON, S.E.5
for Smith Kline & French International Co., owner of the trade marks 'Neuro Phosphates' and 'Eskay'
NT122

OXYGEN IN POWDER FORM

**SODIUM PERBORATE
AND
SODIUM PERCARBONATE**
are free-flowing
powders containing
available oxygen

Have you considered their use?



Fruit drinks that Diabetics can enjoy

THESE delicious Fruit Drinks are specially prepared without added sugar. Rose's Diabetic Lime Juice costs 3/6 a bottle; the Fruit Squashes—orange or lemon—are 3/- a bottle.

ROSE'S Diabetic FRUIT DRINKS

A Letter from the Antipodes—

Sydney,

Sept. 19, 1952

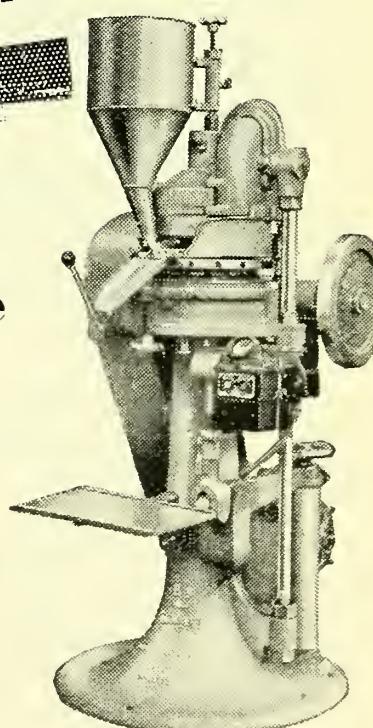
a few weeks ago we installed the Manesty B3 Variable Speed Rotary. I thought perhaps that you and Manesty Machines might like to know that both Mr.... and I, after trying the machine with tablets normally extremely difficult to run, are of the opinion that this model B3, with variable speed expanding pulley, is the most versatile machine we have ever encountered in tablet-making. Its complete range of speeds enables the most difficult tablet to run successfully and the machine is, in every way, delightful to use.

C.....M.....Pty., Limited



B3 Rotary Tablet Machine

- For tablets up to $\frac{1}{2}$ " diam.
- Filling depth $\frac{11}{16}$ "
- Output : Constant speed—400 per minute
- Output : Vari-speed—235/470 per minute
- Horse Power : $1\frac{1}{2}$
- Floor Space : $28" \times 45\frac{1}{2}"$
- Stainless Steel Hopper
- Overload Pressure Release



MANESTY MACHINES LTD.

DEPT. 5

SPEKE

LIVERPOOL 19

Telephone: Hunts Cross 1972

Telegrams: Manesty, Liverpool 19

IT CAME
IT SOLD
IT CONQUERED!



Already CIDAL shampoo has won hosts of friends — among men as well as women. And demand is steadily increasing as more and more people read about its remarkable powers.

CIDAL shampoo, like the now-famous CIDAL toilet soap, contains 2% Hexachlorophene — the ingredient with remarkable germicidal properties.

CIDAL shampoo does more than promote a clean, healthy scalp, it is beneficial in the treatment of dandruff. Moreover, the richness of the super-fatted cream helps to keep the hair soft, gleaming and attractive.

CIDAL shampoo has a luxurious long-lasting lather that goes to work in a delightfully refreshing way.

CIDAL CREAM SHAMPOO
CARRIES EXCEPTIONALLY
GENEROUS
TRADE TERMS

Write for full details to Sales Department

J. BIBBY & SONS LIMITED, KING EDWARD STREET, LIVERPOOL 3





Muffler Time

is 'Kepler' time! Mothers realise how valuable 'Kepler' is during the winter in providing extra nourishment, promoting sturdy growth and building up defence against infection. On their guard against the severity and possible epidemics of the coming months, they will be asking you for 'Kepler'—not only for the children, but for the adults in the family too! If your stock of 'Kepler' is not large enough to deal with this winter's demand, order now.

'KEPLER'
BRAND

COD LIVER OIL WITH MALT EXTRACT

Protects the bodies it builds



BURROUGHS WELLCOME & CO. (THE WELLCOME FOUNDATION LTD.) LONDON

THE NAME BEHIND THE CHEMIST



FOR OVER A CENTURY AND A HALF

THE NEW PRESENTATION OF MEDICINAL PEPPERMINT LOZENGES



MEGGOIDS contain the finest peppermint oils blended to produce the most pleasant tasting lozenges for the relief of flatulence and colic.

8/-

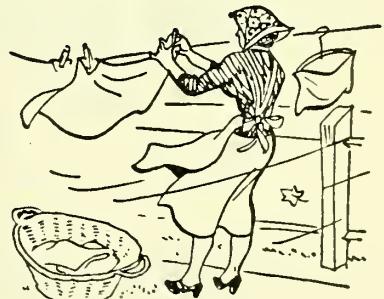
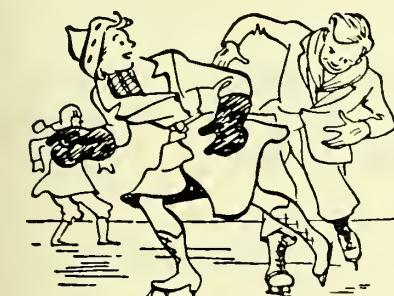
PER DOZ., PLUS P.T. 33 1/3%

PERNIVIT[®] for chilblains

Fallen leaves on the pavement; the icy nip in the morning air; white fingers of frost across the lawn. These are the signs that remind you of Pernivit time.

Pernivit has proved remarkably successful both in treatment and in the prevention of the subsequent reappearance of chilblains.

It utilises the vasodilator properties of nicotinic acid and the effect of vitamin K in maintaining normal blood coagulability and vascular permeability.



PRICES

	TRADE	RETAIL
Bottles of 50 tablets	2/-	3/-
<i>Display cartons containing six bottles</i>		
Bottles of 500 tablets	14/-	21/-

JKL

IPECACUANHA B.P.
JABORANDI
PAPAIN
BALSAM TOLU

Genuine Imported

★

and all other
 Botanicals, Gums, Waxes,
 Essential Oils and Spices

JOHN KELLYS (LONDON) LTD.

Gresham House, 24 OLD BROAD STREET, E.C.2

Telephone: London Wall 4882, 6585, 6586

Telegrams: "Ergotine Stock, London"

Branches in New York and Hamburg

GALE'S NUTRITIOUS TONIC**MORELIX**

(Regd.)

ESPECIALLY SUITABLE FOR
 CHILDREN
 AND DURING CONVALESCENCE

*Contains Liquid Malt,
 Vitamins A & D, Hypophosphites
 and Virginian Prune.*

DREADNOUGHT



BRAND

GALE, BAISS & CO. LTD.,
274/276, ILDERTON ROAD, S.E.15

GALIC ACID
PYROGALIC ACID

(RESUBLIMED, PURE CRYSTAL AND TECHNICAL)

AND DERIVATIVES**WHOLESALE AND EXPORT ONLY****J. L. ROSE, LIMITED, ABBEY ROAD, BARKING, ESSEX**

TANNIC ACID
AND DERIVATIVES

(Bulk
Supplies
Only)**THE BRITISH DYEWOOD COMPANY LIMITED**
 19 St. VINCENT PLACE GLASGOW, C.1



The
**BEATSON
MEDICAL**

A bottle of quality. The retention of the vial lip for easy pouring is combined with all the advantages of modern design, including the elimination of internal sharp corners allowing rapid dispersal of sediment.

★ Plain or Graduated
Cork Mouth or Screw Capped

BEATSON, CLARK & CO. LTD
MANUFACTURERS OF CHEMICAL AND MEDICAL GLASS
ROOTHERHAM • Established 1751 • YORKS.

© BC. 68

CORK LINED SLEEVES

CORRUGATED
PULL-THROUGH
BOXES

Compressed Paper Packing Limited

Horton Road - West Drayton - Middlesex

Telephone: WEST DRAYTON 2237

BEST SELLER BY FAR . . .

Lastonet has become easily the most popular surgical stocking on sheer merit. Get the most out of this expanding trade by making a bold show of Lastonet display material and keeping a stock of measurement forms. Both are available on application.



© 5 E-L-A-S-T-I-C
FEATHERWEIGHT NET STOCKING
LASTONET PRODUCTS LTD., Carn Brea, Redruth, Cornwall



for
fine chemicals
especially:

ASPIRIN B.P. "FRE-FLO"
CITRIC ACID B.P.
SALICYLIC ACID B.P. & TECH.
SODIUM SALICYLATE B.P.
TARTARIC ACID B.P.
VANILLIN 100%

H. W. GRAESSER-THOMAS LTD
49 LEADENHALL STREET,
LONDON, E.C.3
TELEPHONES: ROYAL 3011 - 6111

Interchangeable PRICE TICKETS

"They cost as little as 12/6 per doz."



These Interchangeable price tickets meet the present-day demand of odd and varying prices.

They are easily arranged and can give as many as 4,000 different combinations of prices with 1 dozen tickets.

SAMPLES AND DETAILS ON REQUEST

Wm. POTTER & SONS

Designers and Actual Manufacturers of Window Displays, Display Fittings and Price Tickets for over 100 years.

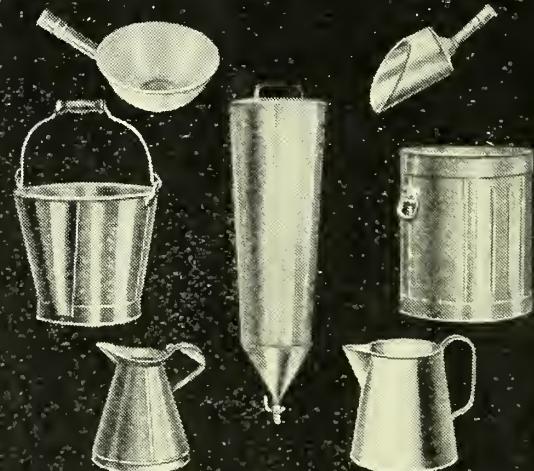
Only Address:

ALDERSGATE WORKS, FELSHAM RD.

PUTNEY, S.W.15

Telephone: PUTney 7711

MODERN EQUIPMENT



"WEBSTER'S"
STAINLESS STEELWARE

ISAAC WEBSTER & SONS LTD.
ABBEY WORKS
KIRKSTALL
LEEDS. 5.

TELEPHONE
51580
LEEDS

TELEGRAMS
ISAAC WEBSTER
KIRKSTALL



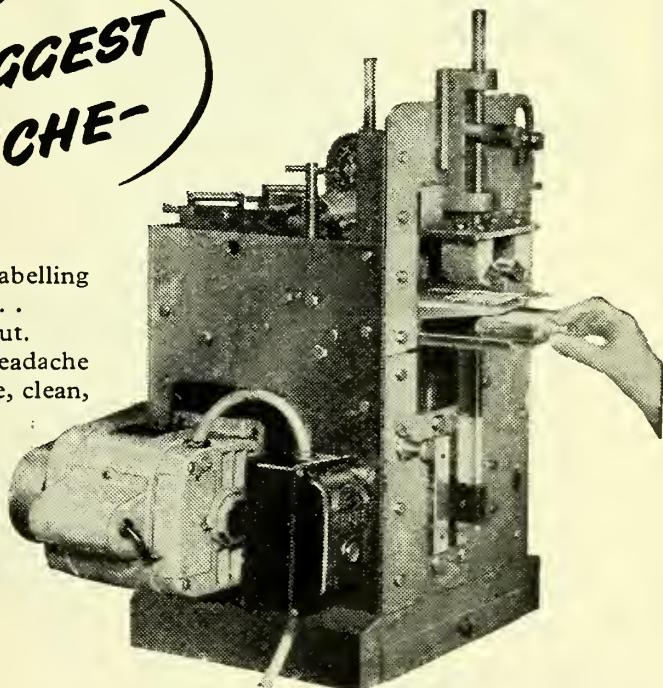
CARTON BOX & PRINTING C^o LTD
BRINKSWAY, STOCKPORT, CHESHIRE.

LABELLING USED
TO BE OUR BIGGEST
HEADACHE—

"The labels were not always straight . . . the labelling machine itself was large, unwieldy and noisy . . . stoppages were frequent and reduced the output.

"Since installing the NEWMAN labeller the headache has disappeared. It is compact, dead accurate, clean, practically silent and a pleasure to operate."

Send for details of the NEWMAN Labellers—possibly the most compact precision labelling machines in the world.



NEWMAN

LABELLERS

There are other Newman Labellers for all-over gumming and an Automatic Machine for completely or partly labelling small cylindrical objects from $\frac{3}{8}$ " to $1\frac{3}{8}$ " diam.—details on request.

D. TRAPOW & CO. LTD., ENGINEERS (DEPT. 18), 113 REGENTS PARK RD., CHALK FARM, LONDON, N.W.1
Tel: PRImrose 6688

AN ALL COTTON WOOL PRODUCT OF REPUTE

ConSolute
Patent No. 410702
(Registered)

**SUPERFINE QUALITY
ALL WOOL SANITARY TOWELS**

**LOOPEd ENDS
NON-ABSORBENT BACK
WHOLESALE ONLY**

ROBERT BAILEY & SON, LTD.
SURGICAL DRESSINGS MANUFACTURERS
DYSART STREET, GREAT MOOR, STOCKPORT
Phone: STEPPING HILL 3006/7 Grams: "UNDISPUTED" STOCKPORT

**"When I sell a bottle
of ...
MIRACLE MIXTURE
I make a friend"**

Thus writes a Chemist who has
a big Trade with Dog Owners

There is no medicine in this
Country which has saved the
lives of so many poorly dogs.
There is no more elegant pre-
paration. None which gives such
certain and speedy relief and
none which shows you a better
return for your sales in good
wishes and financial benefit.

Get in touch now with:—

THE HATCHWELL CO. LTD
BYRON STREET, PRESTON, LANCS
Telephone: Preston 5118

**NOW... 33½% profit
FOR YOU ON
Dirty Paws
NON-GRITTY
HAND CLEANSER**

Reduced Trade Prices for "Dirty Paws" hand
cleanser will give retailers 33½% profit instead
of 25%. Selling prices to the public remain at
2/6 a tin and 1/6 a tube. Order through your
usual wholesaler or write to us.

Consumer demand for "Dirty Paws" is
stimulated by extensive regular advertising
in the Press. Exhibitions in many parts of the
country will feature the product, and
show material, hand-bills and
samples are freely available.

Dirty Paws
NON-GRITTY
HAND CLEANSER
T7
KAY BROTHERS LIMITED • STOCKPORT



*There's
General
Approval
for*

Victory V

GUMS & LOZENGES

FRYER & CO. (Nelson) LTD., NELSON LANCS

KENNETT

INTERCHANGEABLE PRICE MARKERS

MARK YOUR PRICES THE MODERN WAY

Presenting a new, beautifully designed, interchangeable price marker ideal for the chemist and druggist.

Consisting of solid white moulded numerals $\frac{1}{2}$ " high and $\frac{1}{16}$ " thick which slot into and are firmly held by a V shaped slot in a black plastic base.

Small, but solidly made, this price marker is practically unbreakable and will last a lifetime.

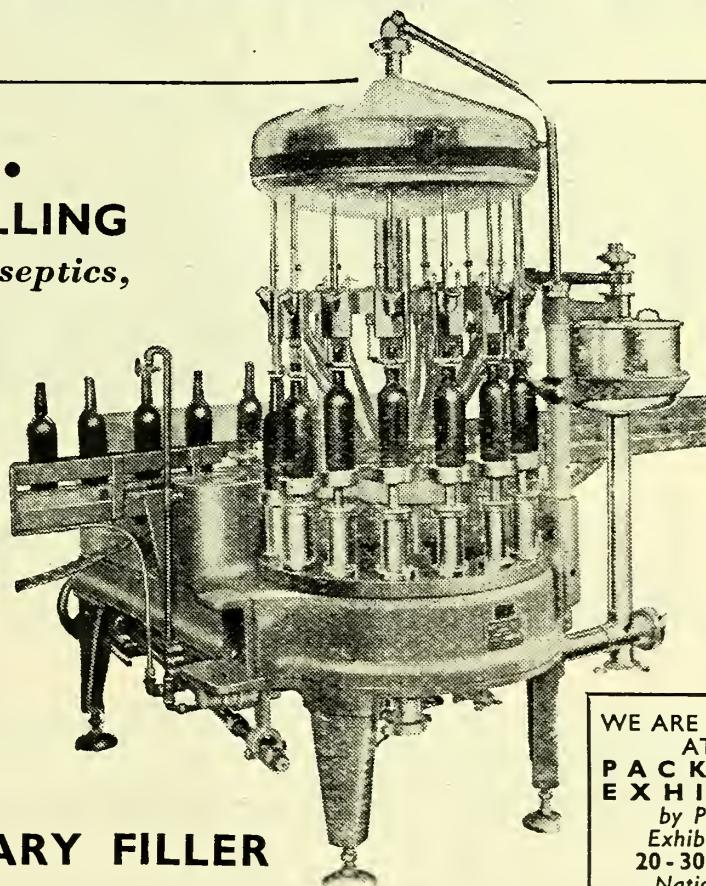
Sets from £2.4.0d. to £8.13.0d.

Don't miss this opportunity to solve your price marking problems for all time. We will gladly send you a leaflet and free sample on request—write to-day.

KENNETT PRICE MARKERS 55 Eastgate St., Winchester, Hants.

FAST . . .
FOOLPROOF FILLING
*for Medicines, Antiseptics,
Lotions, etc.*

- ★ Fully Automatic
- ★ Foolproof valveless vacuum-operation
- ★ 15 Heads — Output up to 100 bottles per minute
- ★ Full details on request



ALBRO
VACUUM - OPERATED
15 - HEAD ROTARY FILLER

ALBRO FILLERS & ENGINEERING CO. LTD., Wharf Rd., Ponders End, ENFIELD, Mddx.

WE ARE EXHIBITING
AT THE
PACKAGING EXHIBITION
by Provincial Exhibitions Ltd.
20 - 30 Jan., 1953
National Hall
OLYMPIA, London
STAND No. 7, Rows H and J, National Hall

Mandelle



A BRAND NAME

for a wide range of

HOSPITAL SHEETINGS.

Hand Made & Moulded

HOT WATER BOTTLES.

BATHING CAPS.

Etc., Etc.

Made by
J. MANDLEBERG & Co. Ltd.
PENDLETON, SALFORD, 6, LANCS.

Back at Last.

Imported from U.S.A.

America's well-known
"Wigder"
NAIL CLIPS

Great News! This pre-war fast selling line is back again at a keenly competitive price that will bring you a steady, all the year round demand.

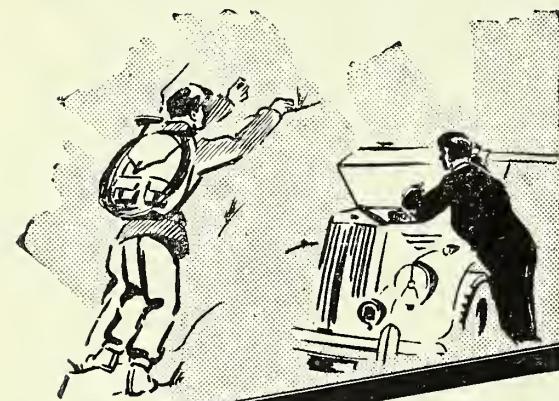
Stock up now through your usual wholesaler!

Display cards of 1 doz.
18/- plus Purchase Tax.
 Retail Price **3/9** each.

WHOLESALE ENQUIRIES TO:—

Alfred Franks & Bartlett Co. Ltd.,
226/8, Grays Inn Rd., London, W.C.1 · TERminus: 9865-8

THEY ALL BUY . . .



FLEXOPLAST

Flexoplast

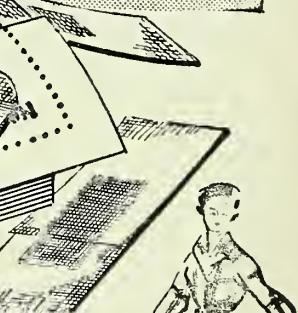
flex
FIRST-AID DRESSINGS
For SMALL CUTS - WOUNDS
ABRASIONS - BURNS - BOILS
BLISTERS SORE HEELS
SELF-ADHESIVE ANTISEPTIC

BLISTER
SELF-ADHESIVE
MADE

ANTISEPTIC

**FIRST-AID
DRESSINGS
FLEXIBLE AND
WATERPROOF**

BRAND



For Cuts

Small Wounds

Burns • Abrasions

Bruises • Sore Heels



Obtainable from all wholesalers.

A. F. 154

A PRODUCT OF EDWARD TAYLOR LTD : MONTON : LANC

Infant Feeding Bottles . . .

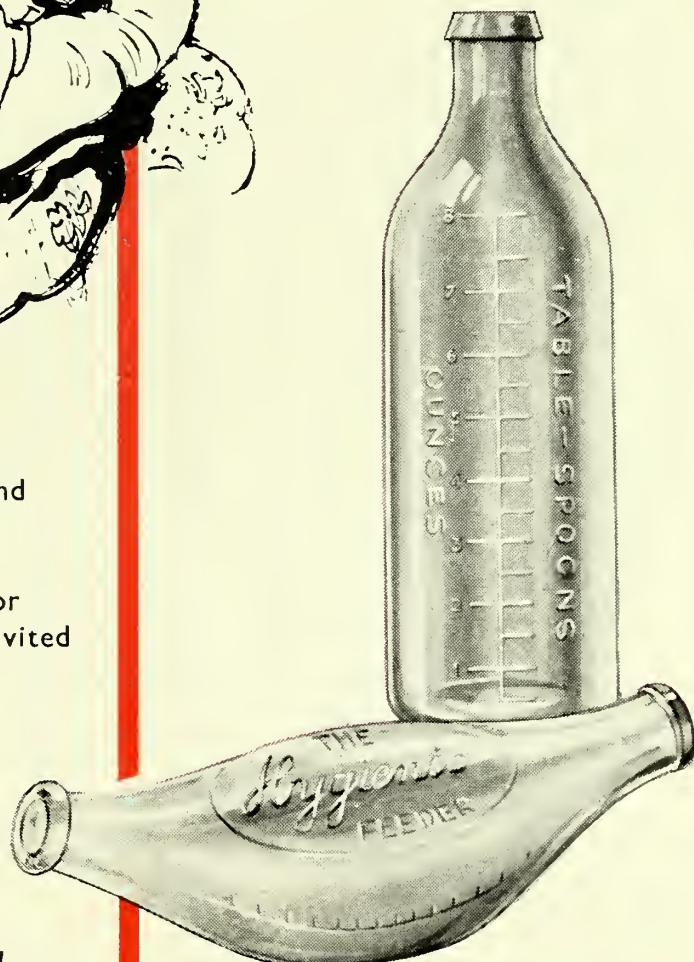
ESSENTIAL FOOD AND DRUG
CONTAINERS, MEDICAL FLATS
AND PANELS, ETC., ETC.



Both two hole and upright
Feeding Bottles made in 4 oz. and
8 oz. sizes. Prompt deliveries.
The two hole Feeders can be
supplied with customers name or
brand. Wholesale enquiries invited

★ We are recommending Milton to
keep baby's bottle absolutely germ-
free without labour of boiling or
risk of cracked or broken bottles

**Wholesale and
Export only**



LAX & SHAW LTD

Registered Offices: **SCOTT HOUSE, 69 South Accommodation Road, LEEDS, 10**
Phone 21568 (3 lines). Grams: Feeders (Phone) Leeds 10
London Office: 29 Ludgate Hill, E.C.4. Telephone: CITY 7170

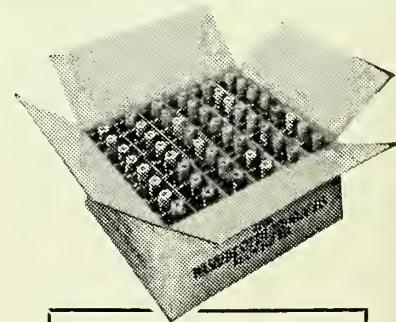
The Complete Service

Available from Stock

**WASHED AND
STERILIZED
READY FOR USE**



UGB



**FITTED
KORKALITE, MOULDED
OR ALUMINIUM CAPS**

CORKMOUTH

UNITED GLASS BOTTLE MANUFACTURERS LTD

8 LEICESTER ST., W.C.2 • Telephone: GERRARD 8611 (18 Lines) Telegrams: UNGLABOMAN, LESQUARE, LONDON

**DAILY
EXPRESS
HALF-PAGE
DEC. 17th**

**THE
SPEAR
HEAD..**

What size Christmas stocking does he take?

There's a BRYLCREEM Tub
for every size of stocking
—and purse!

Great hairdressing and hair styling are indispensable when you give Brylcreem. Whatever the size of the stocking, there's a Brylcreem size to fit it. And of course you expect the larger sizes to suit under those clothes he is bound to bring on the 25th. Then there's the enormous range of popular fibrescopic hair & cosmetic items. And don't forget a selection from the many other superb products that are also available now, with the unique soft, skin-like texture of all the brands of the famous Brylcreem and the balmers!

NO CHRISTMAS STOCKING IS COMPLETE WITHOUT

BRYLCREEM

THE PERFECT HAIRDRESSING

JUNIOR TUB
A special size for young boys.
It is approximately
the size of a large
cigarette packet.

MEDIUM TUB
The original size, an average
size which is perfect for
a young man and a
regular balm. This is
approximately 2½ oz.

LARGE TUB
About 8½ lbs. An average
size for a hairdressing
shop or a professional
hairdresser. Also
available in 1 lb.

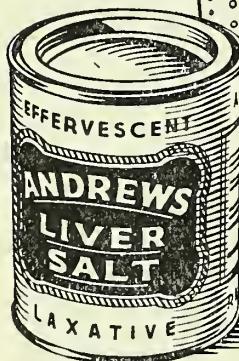


**..OF A
GREAT
BRYLCREEM
CHRISTMAS
CAMPAIGN**

The large Brylcreem tub makes the perfect Christmas gift. Stimulated by this bold half-page in the Daily Express and by large Brylcreem advertisements in the National and Provincial Press, the demand is certain to be brisk. Make sure you display the large tub.

County Perfumery Co. Ltd., Honeypot Lane,
Stanmore, Middx.

REMEMBER
it's your biggest ever
publicity too!



THE BIGGEST-EVER publicity campaign for Andrews Liver Salt is now in full swing. Andrews advertisements are seen everywhere — in National Daily and Sunday newspapers and Weekly magazines, on the hoardings, on the sides of buses and in the shops. And remember — this advertising is *your* advertising, if you're an Andrews stockist. Make sure you have adequate stocks of the effervescent saline with the largest sale in the world.

ANDREWS
LIVER SALT

GT67/d3/52

Your customers see **YESTAMIN** and **BUY!**

Continuous, hard hitting national advertising and down to earth prices promote your sales of YESTAMIN. Fully approved by the medical profession, these tablets of pure, dried brewers' yeast are an ethical and money-making product you can stock and recommend with confidence. Show YESTAMIN in *your* shop — it sells on sight!



50 Tablets Retail 1/3 Trade 10/6 per doz.
100 Tablets Retail 1/10½ Trade 15/9 per doz.
300 Tablets Retail 4/9 Trade 40/- per doz

YESTAMIN DAILY YEAST

THE ENGLISH GRAINS CO., LTD., BURTON-ON-TRENT



**SURGICAL ELASTIC
HOSIERY**

SEAMED, SEAMLESS
TWO-WAY STRETCH
ELASTIC NET

**SURGICAL BELTS
TRUSSES & SUNDRIES**

Over 60 years' service of everything surgical

SURGICAL HOSIERY CO., LTD.
Russell Street, NOTTINGHAM
Telephone No. 75903 Telegrams: Surgical Notts

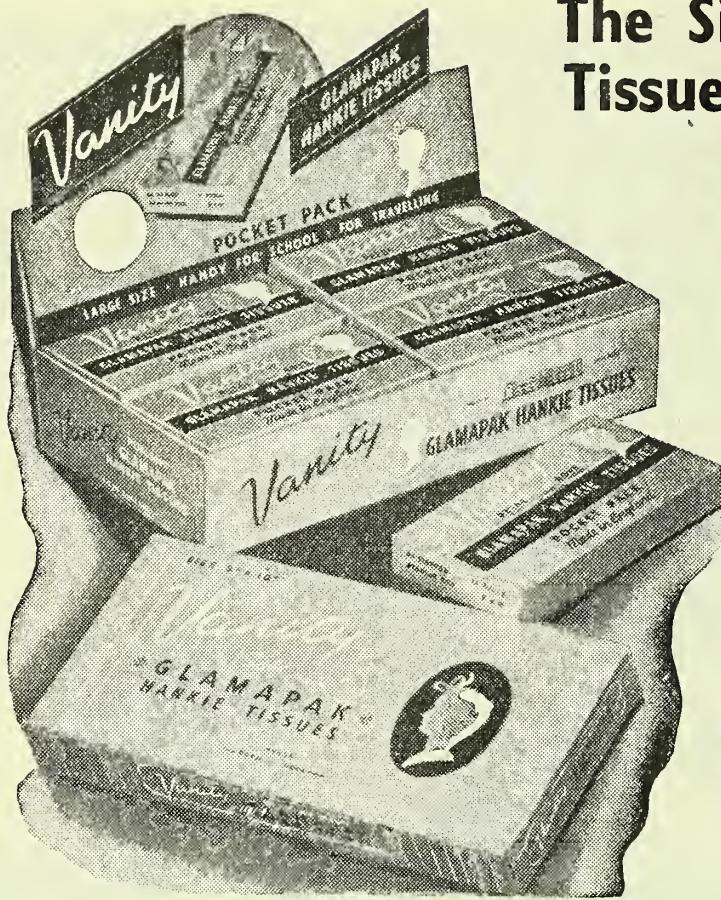


Greetings
IN THE TRADITIONAL MANNER
TO OUR MANY FRIENDS

EST. 1751

BUSH

The Silky Soft Absorbent Tissue that is preferred



Vanity

HANKIE TISSUES
RETAILS FROM 1/6d.

Tissues have come to stay—it's just a case of selling the **BEST** to make and keep customers. **VANITY** are produced by **THE PAPER SPECIALISTS**—packed attractively and come to you in display cartons worthy of your windows and counters.

POCKET PACK for Travel, School, etc.
(24 large size White Tissues) 4d.

In the carton that does not disintegrate in use
BOUDOIR CARTONS (150 in White or
assorted Pastel colours) or Cellophane Wrapped
150 and 180; assorted shades if required.

FREEDER BROTHERS PAPER MILLS
BRIMSDOWN, ENFIELD, MIDDLESEX

Telephone : Howard 1847 (3 lines)
Telegrams : Sylkocrepe, Enfield, Middlesex

"I use DISPEL in my own home"

says London Wholesale buyer, Mr. W. of N.W.1
"and believe me, it really does kill
smells quickly and completely".

DISPEL is widely advertised in the National Press. Dominant advertisements will constantly increase the demand. DISPEL'S low price of 2/-, unique 'Quick-Wick', with attached cap, and double-size refill at 1/9d., make an irresistible appeal to customers everywhere—as proved by heavy repeat orders.

Retailers clear 25% on every DISPEL 'Quick-Wick' or refill bottle sold.



DISPEL REFILLS 1/9



Advance Industries Ltd., 87 Regent Street, London, W.1.
Associated with the British Permanent Starch Co. Ltd.

DISPEL QUICK-WICK 2/-

PROMULSIN POWDER

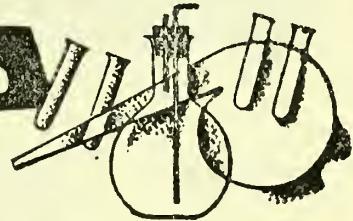
for Colloids, Suspensions, Emulsions, etc.,
used by most HOSPITALS

PROMULSIN WAX

for Emulsifying Creams, Ointment Bases, Cosmetics and other uses.

Send for details, samples, technical information, etc.,

WATFORD CHEMICALS



THE WATFORD CHEMICAL COMPANY LTD. COPPERFIELD ROAD, LONDON, E.3
Tel: Advance 2604/6

Agents for the North of England

GORDON & MARTIN LTD. 2 CHINA LANE, PICCADILLY, MANCHESTER

BURNSIDE'S EUCALYPTUS OILS

Distilled in Australia by the largest distillers and refiners of Eucalyptus Oils in the world.—W. K. BURNSIDE, PTY., LTD., MELBOURNE, AUSTRALIA

80/85% B.P.

Oil Euc. Dives 40/45%
Oil Euc. Citriodora

70/75% B.P.

Piperitone 90/95%
Oil Euc. Phellandrea

... Phellandrene.

UNIFORMITY OF QUALITY . . . CONSISTENCY OF ODOUR

Agents for U.K.: WILSON & MANSFIELD, LTD., 15 Philpot LANE, LONDON, E.C.3

Phone: MANSION HOUSE 9264-5-6

(WHOLESALE ONLY)

Grams: WYFIELD LONDON

WE WANT



MILLAMALT

Manufacturers: JEFFREYS,
ILLER & CO. LTD., Leyland Mills,
Lanc. (London Dept. 19 Brookside Rd. N.) BECAUSE OF THE BUTTERSCOTCH FLAVOUR

Home and Export

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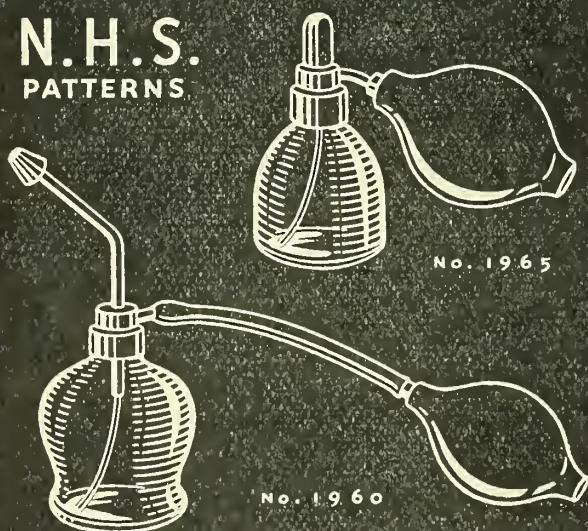
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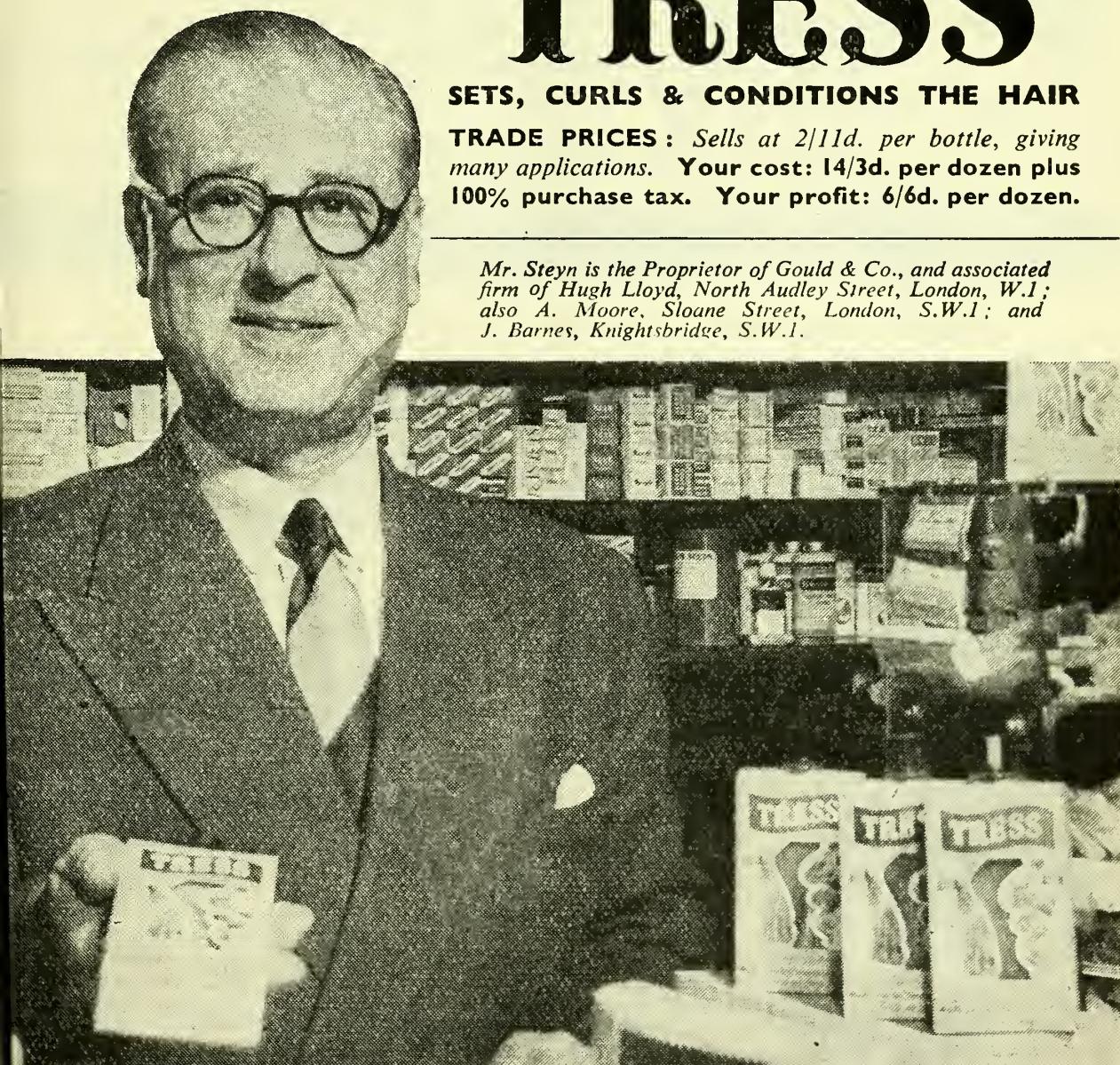
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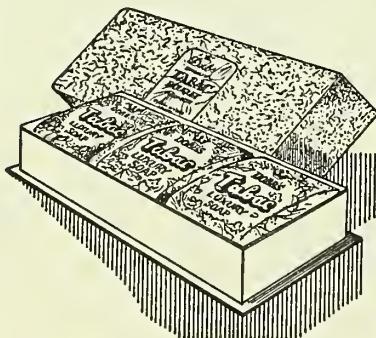
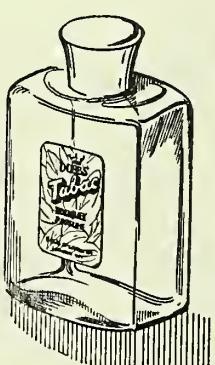
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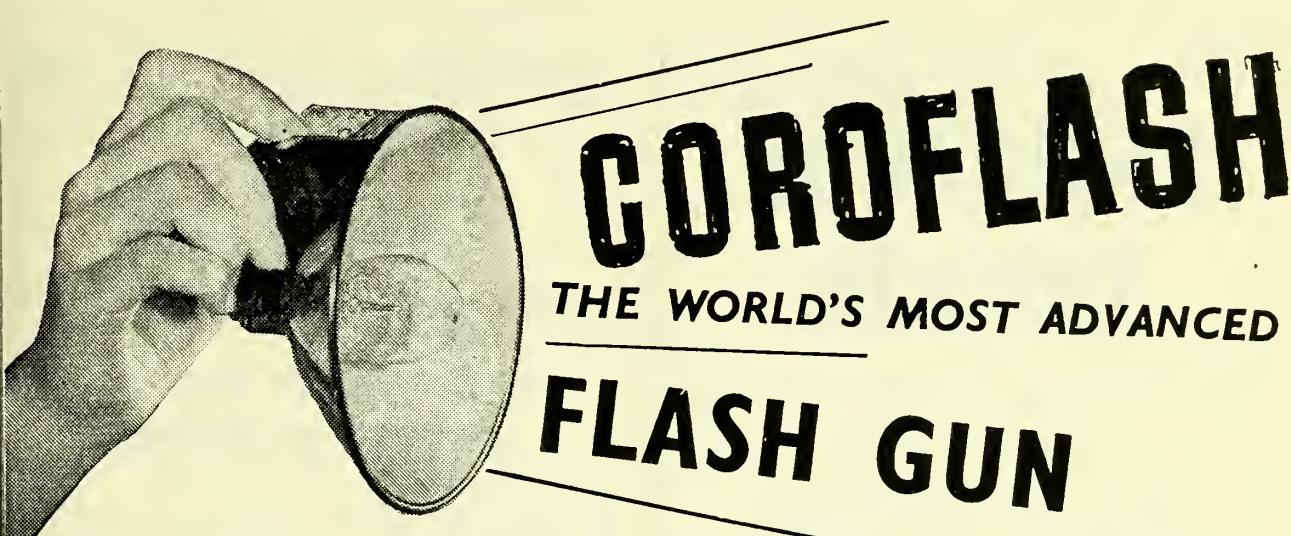
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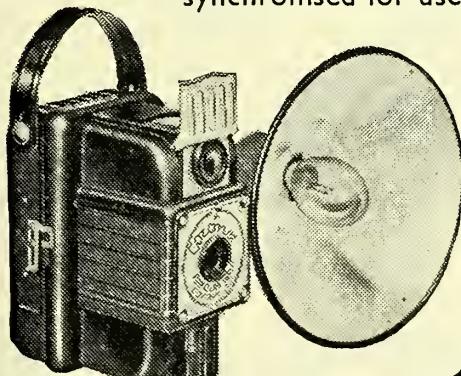
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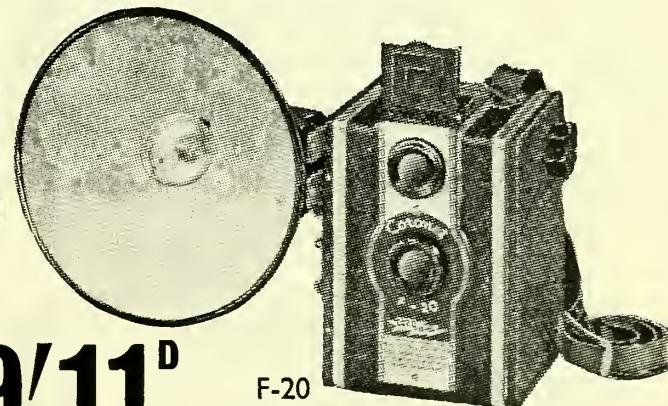


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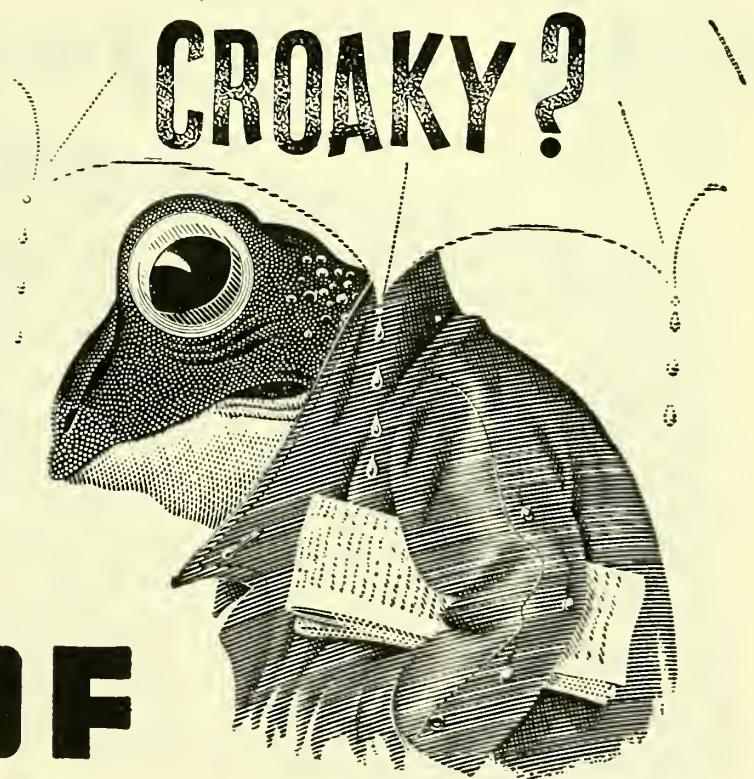
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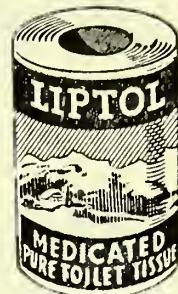
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DECEMBER 13, 1952

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Single copies 1/- each. Annual Subscription, which includes The Chemist and Druggist Diary and Year Book, £2

Volume CLVIII

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NEWS OF THE WEEK

Key Industry Duty Exemptions.—The Treasury has made an Order (S.I., 1952, No. 2121) exempting *p*-(di-*n*-propylsulphamyl) benzoic acid and quinoline from Key Industry Duty for the period December 15 to February 18, 1953.

No Tax on Showcards.—The Commissioners of Customs and Excise have decided that pictorial showcards embodying advertising matter designed for trade display and distributed gratis shall be regarded as outside the scope of Group 25 of the purchase tax schedule and not taxable.

Changes in Export Licensing.—Changes in export licensing control are made by a Board of Trade Order effective from December 17. Among the principal changes are that licences are now required for all destinations for lithium and its compounds and certain specified scientific apparatus and that acetone may now be exported to Commonwealth countries (excluding Hong Kong), the United States and Irish Republic. Certain chemi-

cals will not require licences except when destined for China, Hong Kong, Tibet.

London Evening Classes.—The following are among the evening classes arranged by the Sir John Cass College, Jewry Street, Aldgate, London, E.C.3, for 1953: "Distillation," eight lectures on Friday evenings, commencing January 16, fee £1; "Microchemical Analysis," ten lecture-demonstrations on Thursday evenings, commencing January 15, fee 30s.; and "Patents and Industrial Design Protection," eight lectures on Thursday evenings, commencing January 22, fee £1. Further information is available from the principal.

Chemicals an Aid to Husbandry.—At a joint meeting of the crop-protection panel of the agricultural group of the Society of Chemical Industry and the Association of Applied Biologists in London on November 12, Dr. E. Holmes (Plant Protection, Ltd.) said that chemicals were no substitute for good husbandry, but if insect pests and weeds were

still a nuisance the farmer must use chemical adjuncts. He suggested that it was necessary to use insecticides much more intelligently. Much work was going on to discover new products less harmful to animals than the organo-phosphorous compounds. He advised the research stations and universities to do more work on biological fundamentals.

Classification of Proprietary Medicines.—The Ministry of Health announces that the Joint Committee on Prescribing is nearing completion in its task of classifying proprietary preparations (under an offer made to and accepted by the Ministry of Health in the Committee's second interim report dated July 1950) into six categories:—

(1) New drugs of proved value not yet standard.
(2) Proprietary brands of standard drugs, singly or in combination.

(3) Standard preparations, and new remedies of proved value, in elegant form or vehicle.

(4) Qualitative and/or quantitative modifications in the composition or combination of standard preparations, or new remedies of proved value, which are not accepted as therapeutically superior to preparations included either alone or in combination in the British Pharmacopœia, the British Pharmaceutical Codex or the National Formulary.

(5) Preparations not in the British Pharmacopœia, British Pharmaceutical Codex or National Formulary, which in the Committee's view have not been proved of therapeutic value.

(6) Preparations which are a combination of (4) and (5).

Each manufacturer has been notified of the classification of his products and given an opportunity to make representations about it if he wishes. Any manufacturer who has not heard from the Ministry on the subject and who wants the Committee to classify his products should, before December 30 send full details of them (not including those advertised direct to the public) to the Secretary, Joint Committee on Prescribing, Savile Row, London, W.1.

LOCAL NEWS

Resolution on Sealed Packs.—Lindsey, Lincs, Executive Council has upheld a recommendation from its Pharmaceutical Committee that manufacturers of cotton wool and other materials supplied in sealed packets on EC10 prescriptions should be held responsible for the quality of the contents. It was decided to make representations to the Ministry of Health.

Chemists' Exhibit at Trades Fair.—Among the exhibitors at a trades fair at St. Ives, Hunts, organised by the local chamber of commerce were F. C. Barton, Ltd., chemists, Bridge Street, H. S. Turner (Chemist), Ltd., Market Hill, and A. E. Sewell, Ltd., High Street, Huntingdon, who all showed toilet and beauty preparations, Christmas gifts and photographic requisites.

Prescription Altered.—In a report to the London Executive Council on November 27, the Finance and General Purposes Committee of the Council stated that a company of chemists had dispensed 142 tablets on a prescription on an EC10 form on which the number of tablets ordered had been altered from forty-two to 142. The prescriber maintained that he had ordered forty-two; the chemists stated that the alteration was not made by them and the patient asserted that he presented the form to the chemist as received from his doctor. In the view of the committee the quantity 142 should have caused the chemists to inquire, particularly as the tablets were a fourth schedule poison. They were of the opinion that the Council should make payment for the number prescribed.

Factory Visit.—A small party of members of the London (Western) Pharmacists' Association visited Roussel Laboratories, Ltd., London, recently. The party was welcomed by Messrs. R. H. Henrik

sen (sales manager) and N. Helm (factory manager). Offices, stores, dispatch department and production and control laboratories were inspected. Similar parties of no more than ten pharmacists are welcomed (applications to the sales manager).



ULSTER CHEMISTS' ASSOCIATION

THE new President of the Ulster Chemists' Association is Mr. Charles L. Gordon-Rattie. At a meeting of the Executive Committee in Belfast, on December 2, he was proposed as president by the outgoing president (Mr. W. R. McNabb), seconded by Mr. J. Caldwell, and elected unanimously. He is succeeded in the position of Vice-president by Mr. H. G. Campbell, Ballymoney, who qualified in 1933. Mr. W. J. Rankin was re-elected Treasurer and Messrs. W. H. Boyd and C. A. Quinn Secretaries. In recognition of his services Mr. Quinn's appointment was made permanent. Messrs. Joseph Wellwood and J. A. McRoberts were re-appointed Auditors. Other appointments were:—Representatives to Joint Council, the president, vice-president, Messrs. C. A. Quinn and T. A. Gibson; Representatives



Mr. C. L. Gordon-Rattie

to Attend Meetings of the Associates' Committee by Invitation, the president and Mr. T. A. Gibson; Emergency Committee, Officials, Miss C. E. Culbert and Messrs. J. McGregor, Caldwell, R. Gibson, J. C. Acheson, T. A. Gibson and H. W. Gamble; Representatives, Northern Ireland Chemists' Federation Committee, the president, Messrs. J. Caldwell, W. R. McNabb and C. A. Quinn; Representatives, Belfast Chamber of Trade, Messrs. J. Caldwell and J. C. Acheson; Representative, Ulster Tourist Development Association, Mr. A. Steede. A vote of sympathy was passed with the widow and family of Mr. A. W. Mann (C. & D., December 6, p. 768) (a past-president of the Association). Connor Johnston, Ltd. (branch), 69 Ashmore Street, Belfast, were elected to membership and a number whose names were approved at a previous meeting of the Associates' Committee were elected to Associateship. Mr. W. J. Rankin, for the Committee, thanked Mr. McNabb for his services during the past year. Apologies for absence were received from the president of the Pharmaceutical Society of Northern Ireland (Mr. W. H. Boyd) and the secretary (Mr. W. Gorman), who were fulfilling an official engagement in Dublin.

STATUTORY COMMITTEE

THE Statutory Committee of the Pharmaceutical Society at a meeting in London on December 9, postponed judgment in a case in which a pharmacist and doctor occupied adjacent premises.

MR. THOMAS DEWAR, presenting the case for the Society, said it arose from an extension carried out to a pharmacist's premises. The pharmacist had sub-let the ground floor to a doctor as a surgery and waiting-room. The complaint was that the public might reasonably believe that there was a business arrangement between the two. The pharmacist had written to the Society stating that in his proposed letting to a doctor there would be separate addresses and entries, a fair rental, and no business relationship. He asked whether the Society had any objections. On the recommendation of the Ethical Committee, the Council decided that it could not approve. As arrangements were in an advanced stage and no alternative accommodation was available to the doctor, who had been allocated to the area by the Local Medical Committee, they decided to take no action for six months to

POSTPONES DECISION

give the doctor opportunity to find other premises. The pharmacist, however, took no steps to end the arrangement and when his attention was drawn to his omission, he suggested that the complaint should be lodged to decide the question. The Society based their case on a decision reached in a previous case, dealt with in June 1950.

THE PHARMACIST, giving evidence, said there was great public inconvenience as there was no easily accessible doctor residing in his area. The work of extension of the premises was financed by his landlords. At a meeting of the local Executive Council (of which he was a member) he had stressed the need of the area for the services of a centrally placed doctor and had received support. A doctor was eventually appointed to the vacancy and opened his practice on July 1, 1951. Later, a dentist also was allowed to use the same accommodation during the afternoon on certain weekdays.

He felt that the addition to his premises was the only possible way of providing a surgery in the district. He had numbered its address differently from that of the

shop. It had no access to the remainder of the building except for a door which was kept locked and across which a couch was placed. The only time the door was used was when one of his staff each morning cleaned the doctor's rooms. Apart from his tenancy arrangement he had no other arrangement with the doctor. If a request were made for a doctor, he exhibited the local list to the person concerned with an indication of where the doctors of the area were to be found.

THE CHAIRMAN announced that the case was of considerable importance to the profession and it involved further considera-

tions which did not arise in the previous case. It would be more satisfactory from the view of the Society and of the pharmacist to deliver a reasoned judgment at the February 1953 meeting.

The Committee then considered a case of a pharmacist who had been convicted of stealing 1 cwt. of bismuth carbonate from a hospital where he was employed as chief pharmacist. The inquiry was adjourned for a year at the end of which the pharmacist must produce two references, one from the hospital at which he was now employed, and one from an outside person as to his behaviour and duties in the meantime.

OVERSEAS NEWS

Spray-gun Dressing. — The U.S. Air Force is reported to be testing a plastic surgical dressing which can be applied by a spray-gun and could be used in the event of an atomic attack. The dressing (called Aeroplast) is sprayed directly on to an injured person from a pressurised container and demands no gauze dressings.

Periodicals in Pharmaceutical Libraries. — The pharmaceutical section of the Special Libraries Association (of America) has published a "Union List of Periodicals in Pharmaceutical Libraries," giving names of journals in business, manufacturing, veterinary, public health and kindred fields in twenty-five pharmaceutical libraries in the United States and Canada.

Isoniazid on Prescription. — The Canadian Minister of National Health and Welfare announced recently that isoniazid may be purchased on a doctor's prescription. It was also announced that the food and drug regulations had been revised to place the salts of cortisone, hydrocortisone and its salts on the list of drugs available only on prescription.

U.S. Interest in Singapore. — The Defence Materials Procurement Agency (the agency of the U.S. Government responsible for government activities in the development of raw materials required for governmental use), has opened an office in Singapore. The principal function of the office will be to keep the U.S. Government informed of significant developments in raw materials production.

Combined Vaccines Recommended. — A World Health Organisation conference at Dubrovnik, Jugo-Slavia, of heads of laboratories that produce diphtheria and whooping cough vaccines, has recommended further work on the effect of com-

bined diphtheria and whooping cough vaccines, as the efficiency of diphtheria vaccine is held to be enhanced by the addition of whooping cough vaccine.

Witch Doctors Not to Advertise. — The South African Government is putting a ban on advertisements for African medicines containing or alleged to contain ingredients from the human body, insects and reptiles, and supernatural, legendary and mythical beings. The advertisement of substances alleged to be capable of procuring success in any undertaking, or producing immunity from "hostile agencies, supernatural powers, witchcraft or unnatural diseases," is also prohibited. The Department of Native Affairs states that, though witch doctors' practices in Natal were restricted to certain areas, they had for many years been advertising in the Union and neighbouring countries.

Sequels to McGuire Act. — The first court action in America based on the newly passed McGuire Act is a suit against the Miller Drug Co. filed by the Vitamin Corporation of America in the U.S. District Court in Miami, Florida. The Miller Drug Co. is charged with violating fair trade prices on Rybutol, a multi-vitamin preparation. The suit is a test of the "non-signer" provision under the Act, since the Vitamin Corporation is charging that the defendant, a non-signer, is required to observe the company's fair prices. The suit is being heard in a Federal Court. Twenty national associations in the United States, representing retailers and wholesalers in fair trade industries, including the photographic industry, have become members of an advisory council established by the Bureau of Education on Fair Trade, New York.

TOPICAL REFLECTIONS

A "Stocktaking" Conference

To what I wrote a week ago on the advantages of area conferences of pharmacists, I may add that they pave the way for conferences held on a national scale. During the past few months two area conferences of the National Pharmaceutical Union have been held: if I am not mistaken, they facilitated the proceedings of the conference of Pharmaceutical Committee representatives in London reported on pp. 772-73. As you have pointed out, the chairman's reference to a "stocktaking" conference was apt; for the agenda included current National Health Service matters as well as recent discussions with the Ministry of Health. That the committee in charge of negotiations on terms and conditions "felt certain that its case could not be upset on grounds of its not being representative" is satisfactory, for in the past some of the figures received from panel contractors have been insufficient. Mr. G. H. M. Graham gave an estimate that arrears of pricing are likely to be cleared away by the Spring of 1954. That date seems rather far ahead; but if it is a "firm" date, we must be patient. The contrast between the Ministry's leisurely handling of the oxygen-supply question and its short time limit for considering certain proposals must have struck everyone in reading your report of the conference. Courtesy usually costs nothing; and even the courtesy of a street vendor of newspapers is appreciated.

N.P.U. "Collective" Opinion

The "collective" opinion issued by the Executive Committee of the National Pharmaceutical Union on the Pharmaceutical Society's Draft Revised Statement on Matters of Professional Conduct (p. 771) merits careful reading. Its importance lies primarily, I think, in an implied demarcation of functions between the sphere of the Union and that of the Society. We can readily understand the remark that the statement "is not put out as having the unanimous support of all members of the Executive." Any member who is also a councillor of the Pharmaceutical Society may be conscious of a dichotomy, one half of the mind being drawn to Bloomsbury Square and the other half to Queen Square. The Executive is justified in its criticisms that the revised statement deals with subjects ("some subjects" is no doubt meant) that are matters of commercial

practice, not of professional conduct; and that certain of the proposed rules are mere verbiage. I do not agree that the rules should be stated "in the form of specific requirements or prohibitions rather than as general exhortations." A worthy code of ethics must go deeper than specific "shalts" and "shalt nots": a practice or an abstention can be observed without any ethical basis. As I have intimated, the working out of an ethical code should be entrusted to those for whom it is drawn up. Two interesting points are raised in the Executive's pronouncement on pharmacy technicians. One is that their examination should be controlled but not carried out by the Pharmaceutical Society; the other is that they should not, after admission, be controlled and supervised by the Society.

Bandoline

A quotation on p. 783 shows that Mr. H. Warner Allen, an acknowledged authority on wine, was puzzled by coming upon the word bandoline. Two modern English dictionaries on my shelves define it; so Mr. Allen's need for resorting to the *encyclopædia* of Larousse is not obvious. There was a demand for bandoline, though a diminishing one, up to about fifty years ago. In the sixties and seventies of the nineteenth century chemists in business included it in their catalogues and advertisements. A printed label for it that I have measures $1\frac{3}{8}$ in. by $2\frac{1}{8}$ in. Bottles for it were wide-mouthed ovals. Whole gum tragacanth, as white as possible, was soaked for the requisite time in cold distilled water. Beasley mentions quince seed, picked Irish moss and finest picked tragacanth (in that order) as basic ingredients, adding linseed ("not bruised"), apparently as a less satisfactory alternative. Non-pharmaceutical readers were catered for in "Enquire Within upon Everything" (33rd edition, 1867). The basis there suggested was either Irish moss or tragacanth. Quantities and directions for making were given. In each case rectified spirit was added as a preservative, with the note: "The quantity of spirit varies according to the time it requires to be kept." Prices were obligingly noted. They were: Tragacanth, 3s. 6d. per lb.; rectified spirit, 2s. 6d. per pint; otto of rose, 2s. 6d. per drachm. Oil of bergamot, at 1s. per oz., might be substituted for the otto of rose in the formula.

Xrayser

NEW COMPANIES

TREVOR JONES (CHEMISTS), LTD. (P.C.). —Capital £5,000. To carry on the business of pharmacists, etc. Gwladys Y. Jones and Charles H. Swann, M.P.S., directors. R.O.: 44 Church Street, Audley, Staffs.

A. A. RINGER, LTD. (P.C.). —Capital £10,000. To carry on the business of chemists, druggists, drysalters, etc. George E. F. Burr, M.P.S., and Gwendoline H. M. Burr, M.P.S., 317 Musters Road, West Bridgford, Notts, directors.

J. WADDINGTON (NORBURY), LTD. (P.C.). —Capital £100. To carry on the business of wholesale, retail, chemists, herbalists, etc. John Waddington, Marie-Louise B. Waddington and David B. Duggan, M.P.S., directors. R.O.: 1129 London Road, Norbury, London, S.W.16.

W. HEDLEY HEWES, LTD. (P.C.). —Capital £2,000. To carry on the business of manufacturing, photographic and dispensing chemists, opticians, etc. John G. Grimley, Nora E. Grimley and Walter H. Hewes, M.P.S., directors. R.O.: Welford House, Welford Place, Leicester.

W. R. CUNNINGHAM, LTD. (P.C.). —Capital £300. To carry on the business of manufacturers of and dealers in bottle capping solutions and sealing or closing containers of all kinds; manufacturing chemists, manufacturers of and dealers in glass bottles, etc. William R. Cunningham and Jill A. Cunningham, directors. R.O.: Mitre House, 13 High Street, Sutton, Surrey.

Company News

HICKSON & WELCH, LTD. —Dr. T. Harrington and Mr. A. Fraser have been appointed to the board.

IMPERIAL CHEMICAL INDUSTRIES, LTD. —The following changes have been made: Dyestuffs Division: Mr. C. Paine has been appointed chairman of Dyestuffs Division in place of Mr. P. K. Standring, now a member of the I.C.I. main board. Dr. J. Avery has been appointed a division managing director (jointly with Mr. H. Jackson), Mr. H. Smith a division director and Mr. J. C. H. McEntee a division director (visiting). Nobel Division: Dr. J. Craik has been appointed a Nobel Division managing director (jointly with Mr. J. Robinson and Dr. A. G. White), Dr. J. Taylor having relinquished that office on his appointment to the I.C.I. main board. Mr. J. M. Holm has been appointed a division director.

LEGAL REPORT

£250 in Fines for Drug Offences. —At Portsmouth, on November 7, a doctor who at a previous hearing had pleaded guilty to five offences under the Dangerous Drugs Act, was fined a total of £250 and ordered to pay £5 5s. costs. He is Joseph Henry Bentley, aged 45, of Cosham, Portsmouth. A month earlier Bentley had pleaded guilty to four summonses for unlawfully procuring morphine tablets, and a further summons for failing to keep proper records. Bentley was remanded in custody for a medical report. His solicitor stated that Bentley had acquired a taste for morphine after taking it in 1938 in a perfectly proper way. The magistrate allowed him two months in which the pay the fine—£50 on each charge.

Dangerous Drug Fines. —At Cardiff recently, Richard Norman Ladd, M.P.S. City Road, Cardiff, was fined a total of £73, with £15 15s. costs, after he had admitted fifty-three offences of failing to register Dangerous Drugs he had obtained and had supplied on prescription, failing to date the prescriptions. — At Skegness on December 2, Dennis Raymond Hudson, Lumley Road, was fined £3 for allowing access to Dangerous Drugs by an unqualified person at Skegness on November 10. He pleaded guilty. It was stated in court that a police inspector visited Hudson's shop to make an inspection under the Dangerous Drugs Act. He asked for Mr. Hudson, who was not in. He then asked to see the Dangerous Drug cabinet, and found that it was secured by a padlock. He asked the assistant for the key, and the key was produced from a drawer. At the time there was no pharmacist present in the shop. Hudson was not long in returning. The inspector said that the two assistants were not qualified as pharmacists. Hudson told him later that he left his key there so that his dispenser could have access, but a prescription was never made up without his checking it.

BUSINESS CHANGES

A. RUDNICK, LTD. (wholesale chemists supplies), will remove to 75 Duke Street Liverpool, 1, on December 15 (telephone Liverpool, Royal 8986).

GEE LAWSON TRADING CO., LTD., 23 Albemarle Street, London, W.1, are moving to 6 Sackville Street, London, W.1 (telephone: Regent 3136) on December 29.

THE WEEK IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

DR. BARNET STROSS brought up the question of chemicals in foodstuffs on December 1. MAJOR G. LLOYD GEORGE (Minister of Food) said in reply that he was anxious that the Food Bill should be brought forward; it would be dealt with as soon as Parliamentary time permitted.

Sulphuric Acid Production

SIR ARTHUR SALTER (Minister of Materials) told SIR L. ROPNER on December 1 that, to increase production of sulphuric acid, encouragement had been given to the erection of plant to produce the acid from pyrites and native anhydrite. By the end of 1952 new capacity of that kind would be working to produce 227,000 tons of acid and another 400,000 tons in 1953. A plant for recovering an additional 17,000 tons of by-product sulphur a year would be working in 1952. It would give another 12,000 tons in 1953.

Levy on Eye Preparations

MR. E. A. HARDY asked the Minister of Health on December 1 whether he was aware that it was the practice to charge a shilling on the bottle for drops, medicines, lotions, etc., needed to treat under the National Health Service injuries to the eyes sustained by workers at work and if he would reconsider the imposition of charges in such cases.

MR. IAIN MACLEOD said that he could make no exception in that class of case.

On December 4, MR. E. A. HARDY said that patients at eye hospitals, most of whom attended because of foreign matter in their eye sustained at their work, had to pay a shilling each time they attended, and asked the Minister of Health if he would modify the charge. MR. IAIN MACLEOD replied that the charge was made only for drugs, etc., that were taken away, and he was not aware that eye patients were at any disadvantage in that respect.

Tax on Coronation Souvenirs

MR. W. PALING, in a question on purchase tax on Coronation souvenirs, asked the Chancellor of the Exchequer on December 2 if he was aware that tax on approved souvenir articles carrying 33½ per cent. purchase tax was increased to 100 per cent. if they were surmounted with a crown, and why that was so.

MR. R. A. BUTLER: I am considering how far I can go to meet these difficult

ties and I hope to make an announcement on the subject shortly.

Cortisone and ACTH

MR. IAIN MACLEOD told MR. K. ROBINSON on December 4 that he was advised that the place of cortisone and ACTH in the treatment of rheumatoid arthritis was not yet definitely determined. A decision as to the possible extension of their distribution would be made as soon as possible. There was some British production of both substances. The f.o.b. value of Government imports of cortisone during the twelve months ended October 31 was £105,000, and of ACTH, £111,428.

Pesticides Research

SIR THOMAS DUGDALE (Minister of Agriculture and Fisheries) told DR. BARNET STROSS on December 4 that research on pesticides was being intensified so far as economic conditions allowed. He would watch carefully the possibility that phosphorus compounds absorbed by growing plants were dangerous to human beings.

Foot-and-mouth Disease Policy

SIR T. DUGDALE told MR. A. R. HURD that on December 4 the Ministry's Committee reviewing foot-and-mouth disease policy would investigate the policies in Europe and South America, and that members would probably visit France, Switzerland, Western Germany, Holland, Denmark, Sweden and the Argentine.

Anthrax Vaccine Supplies

SIR THOMAS DUGDALE told MR. R. F. CROUCH on December 4 that research had resulted in the production of a satisfactory vaccine for the protection of livestock against *Bacillus anthracis*, and that the vaccine was being made available to veterinary surgeons. In a reply to a supplementary question, he said that he was concerned about the increase of the disease during the past year. He later circulated the following figures showing the number of outbreaks in each month since June: June, 31; July, 90; August, 123; September, 170; October, 185; November, 209.

N.H.S. Statistics

MR. IAIN MACLEOD told MR. ARTHUR BLENKINSOP on December 4 that the total number of dental prescriptions in October 1951 was 20,358,621, at an average cost

of 45.31d., and a total cost of £3,843.579. In October 1952 the number of dental prescriptions declared by chemists was 18,662,000 (details of cost not yet available). No figures were available as to the number of prescriptions dispensed to hospital out-patients during those months. Elastic hosiery (pairs or single) supplied to hospitals during four weeks of October 1951 totalled 3,054 items at an estimated cost of £5,300, against 3,242 (at an estimated cost of £5,200) in the calendar month of October 1952.

Veterinary Treatment Restrictions

MR. PETER FREEMAN asked the Minister of Agriculture on December 4 whether he had considered the report of his Departmental Committee on Licences in reference to the issue of licences under section 7 of the Veterinary Surgeons Act, and what action he proposed to take to restrict the number of people permitted to give treatment to animals and perform minor operations.

PERSONALITIES

MR. J. WRIGHT, Ph.C. (assistant secretary, National Pharmaceutical Union) was recently called to the Bar (Middle Temple).

MR. ROBERT JOHN MCFARLANE, Aberdeen, has been awarded the Petrie Trust Bursary of the Pharmaceutical Society for 1952, with a copy of the "British Pharmaceutical Codex."

MR. J. E. C. BAILEY, C.B.E. (chairman and managing director, Baird & Tatlock (London), Ltd., and Hopkin & Williams, Ltd.), is planning to visit Africa in January 1953 and intends, during a two months' stay, to visit scientific establishments in Khartoum, Kampala, Entebbe, Nairobi, Mombasa, Dar-es-Salaam, Zanzibar, Lusaka, Salisbury, Johannesburg and Durban.

MR. FRED MARSHALL MEDHURST, M.B.E. (chairman, British Surgical Dressing Manufacturers' Association and managing director, T. J. Smith & Nephew, Ltd., Hull) embarked on the "Oronsay" on December 10 to survey business conditions in Australia. Mr. Medhurst is due in Sydney early in 1953 and his visit will be of about three months' duration. He last visited Australia in 1949.

MR. GÖSTA EDMAN (professor of botany and pharmacognosy, Royal Pharmaceuti-

SIR THOMAS DUGDALE (Minister of Agriculture and Fisheries) replied that he had accepted the recommendations of the Committee set up under the chairmanship of Mr. A. J. Champion. He said he must have notice of a further question by MR. FREEMAN asking for confirmation that no action would be taken to restrict people helping sick or injured animals when they could.

MR. HAROLD DAVIS: Might not the treatment of animals by unqualified people be eliminated if the Government established a National Veterinary Service, which would enable the small farmer to obtain qualified services?

SIR T. DUGDALE: That is another question.

Common Cold and Influenza Research

MR. IAIN MACLEOD (Minister of Health) told MR. BARNET JANNER on December 4 that acceleration of study into the common cold had to await expansion of knowledge concerning profitable directions that it should take.

PERSONALITIES

cal Institute, Stockholm) has been awarded the Pharmaceutical Society's Hanbury Memorial medal (a gold medal given periodically for "high excellence in the prosecution or promotion of original research in the natural history and chemistry of drugs"). Professor Edman's researches have covered many aspects of vegetable drugs, including the ash and silica content in drugs, and the application of chemomicroscopical tests. He has studied the microscopical structure of drugs in relation to the discovery of adulteration, and the identification and standardisation of crude vegetable drugs, whole and powdered. Professor Edman is being presented with the medal at an evening meeting of the Society on February 9, 1953, when he is giving an address on "Ash Pictures in the Identification and Assay of Vegetable Drugs."

COMING EVENTS

Monday, December 15

SCHOOL OF PHARMACY, UNIVERSITY OF LONDON, chemistry lecture theatre, London School of Hygiene and Tropical Medicine, Keppel Street, London, W.C.1, at 5.30 p.m. Dr. C. D. Darlington (director, John Innes Horticultural Institution) on "Genetics and Medicine."

Thursday, December 18

ASSOCIATION OF GLASGOW PHARMACISTS, Craig's restaurant, 47 Union Street, Glasgow, C.1, at 7.30 p.m. Ladies' night.

BIRTH

MILNE. — At 36 Douglas Street, Kirkcaldy, Fife, on December 2, to Alice, wife of John Milne, M.P.S., F.N.A.O., 58 High Street, Kirkcaldy, a daughter.

DEATHS

COCKING. — On November 13, Mr. Robert Cocking, M.P.S., 1 Park Parade, Crofton Road, Farnborough Park, Kent, aged sixty-three.

DAVIS. — Suddenly, on December 2, Mr. Albert Edward Ashe Davis, R.D.I., M.P.S.N.I., a past-president of the Ulster Chemists' Association. Mr. Davis became a Registered Druggist under the Pharmaceutical Society of Ireland in 1900 and qualified as a Pharmaceutical Chemist with the Northern Ireland Society in 1926. He was for many years in practice at 38 Donegall Road, Belfast.

EVE. — On December 7, Mr. Frank C. Eve, M.D., F.R.C.P. (consulting physician to the Hull Royal Infirmary), aged eighty-one. Dr. Eve was an authority on artificial respiration and described a new method achieved by rocking. The method, which was particularly useful for use in open boats at sea, was officially adopted by the Royal Navy.

FLEWITT. — On December 1, Miss Phyllis Maude Flewitt, M.P.S., 3A Spencer Road, Bromley, Kent. Miss Flewitt qualified in 1930.

GUTHRIE. — On November 21, Mr. James Strachan Guthrie, Henbury Lodge, Henbury, Bristol. Mr. Guthrie qualified as a chemist and druggist in 1897.

HARRISON. — On November 19, Mr. Stephen Wright Harrison, M.P.S., 154 High Road, Chiswick, London, W.4. Mr. Harrison qualified in 1906.

HOBBIS. — On November 22, Mr. George Thomas Hobbis, M.P.S., 10 Oxford Road, Canterbury, Kent, aged seventy-six.

HOUGH. — On November 11, Mr. William Ingle Hough, M.P.S., 6 Parkside Close, High Lane, Stockport, Ches, aged seventy-four.

INGLIS. — At 82 Glasgow Road, Garrowhill, Baillieston, Glasgow, on November 20, Mrs. Elizabeth Lyle (wife of the late Mr. Robert Inglis, M.P.S., Paisley).

KILNER. — On November 24, Mr. Thomas Charlesworth Kilner, M.P.S., 26 Mulgrave Road, Dollis Hill, London, N.W.10, aged eighty.

LATTO. — At 2 Haling Court, Haling Park Road, South Croydon, Surrey, on November 27, Mrs. L. Elizabeth Mitchell, (wife of the late Mr. Robert Latto, M.P.S.).

RAE. — On November 3, Mr. James Rae, M.P.S., 2 Hartington Road, Aberdeen, aged sixty-six.

ROGERS. — On November 16, Mr. Frank Rogers, 36 Sackville Gardens, Hove, Sussex, aged ninety-two. Mr. Rogers qualified as a chemist and druggist in 1894.

SLATER. — On November 19, Mr. Thomas Sutcliffe Slater, 15 Crookston Drive, Glasgow, and formerly of Burnley, Lancs, aged eighty-six. Mr. Slater qualified as a chemist and druggist in 1896.

SQUIRES. — On November 25, Mr. Ernest Percival Squires, The Laurels, Victoria Road, Ferndown, Dorset. Mr. Squires qualified as a chemist and druggist in 1905.

THOMAS. — At Birkenhead, suddenly, on December 5, Mr. Harold Lloyd Thomas, M.P.S. (head of H. Lloyd Thomas and Co., 764 Borough Road, Prenton, and 41 Church Road, Higher Tranmere, Birkenhead), aged forty-eight. Mr. Thomas collapsed and died a few minutes after conducting a ceremony at the Masonic Hall, Birkenhead.

WAINWRIGHT. — On November 29, Mr. Stanley Wainwright, M.P.S., 12 Bromley Road, Birkby, Huddersfield, Yorks, aged fifty-three. For fifteen years Mr. Wainwright managed the shop formerly owned by Thompson & Capper in John William Street, Huddersfield, and was latterly manager for Mr. Edwin Thomas at 603 Wakefield Road. He is survived by his widow and three sons.

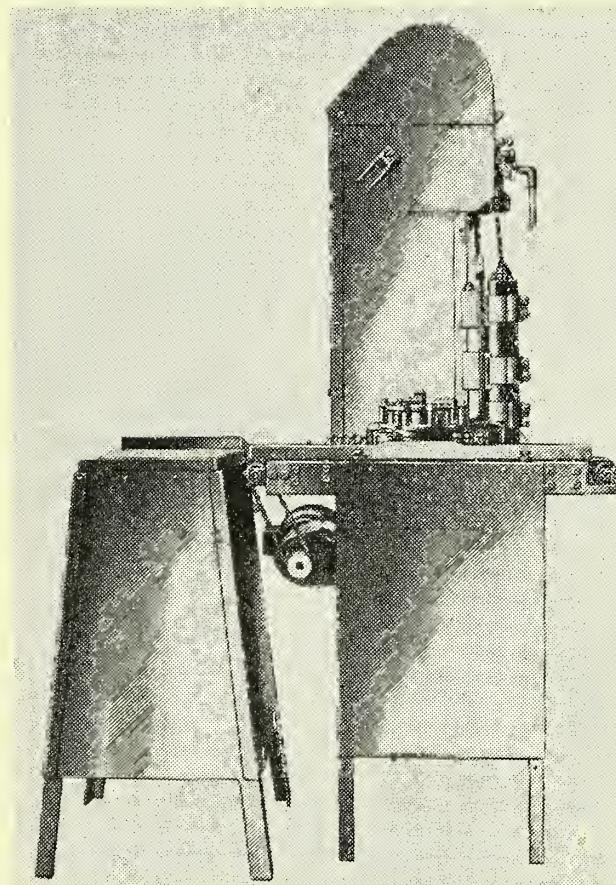
WHITE. — At his home, 109 Firpark Street, Glasgow, on December 5, suddenly, Mr. John Livingstone White, M.P.S. Mr. White qualified in 1920 and was in business at 51 Gartcraig Road, Carntyne, Glasgow, E.1, where he had also an optical practice.

WILSON. — In hospital, on December 1, after a long illness, Mrs. Harriet Violet Wilson, wife of Mr. George Thompson Wilson, M.P.S., 158 Reddish Road, Stockport, Ches.

WOOD. — Recently, Mr. William Edward Wood, M.P.S., 1073 Oldham Road, Newton Heath, Manchester, formerly of Calstock, Cornwall. Mr. Wood qualified in 1929.

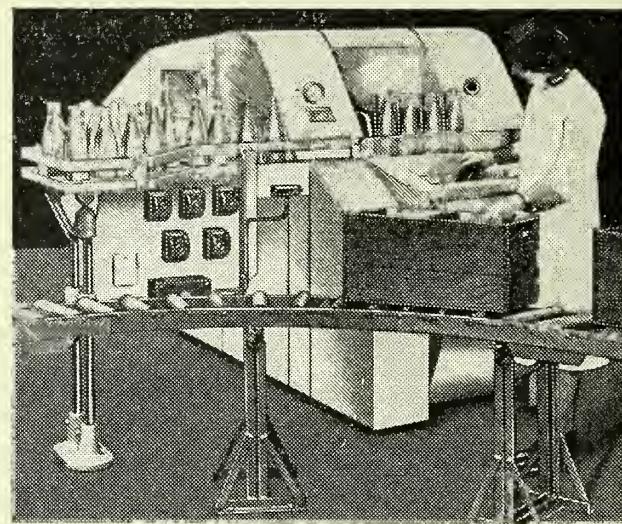
MACHINERY AND PLANT

Vials Capped by Machine.—Specially for capping vials of antibiotics Fords (Finsbury), Ltd., Chantry Avenue, Kempston, Bedford, designed the machine illus-



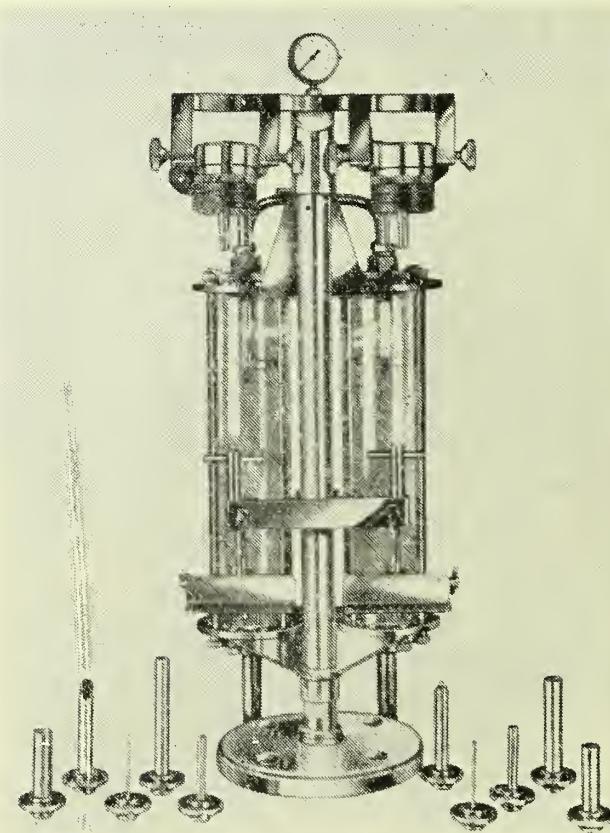
trated. It comprises a capmaking press, with mechanical counter, safety clutch, and automatic switch to inactivate the machine if the supply of foil gives out. A hopper feed arranges the metal caps and feeds them into a delivery chute. Caps are applied to vials at speeds up to 6,000 hourly, any distorted caps being ejected. A three-head rotary device spins the caps to provide a complete seal.

Fully Automatic Bottle Cleaning.—The Thomas Hill Engineering Co. (Hull), Ltd., 247 Beverley Road, Hull, exhibited at the Brewers' Exhibition, November 24-28, fully automatic, semi-automatic and hand-operated bottle-cleaning machines including the new fully automatic Victomatic machine, illustrated at the head of the next column. The Victomatic is of stainless steel, with Nylon brushes. Messrs. Hill estimate that the cleaning effect is three times as successful as ordinary brushing methods. Pre-rins-



ing, detergent soaking, three final internal rinses and two external rinses are also provided.

Vacuum Filling.—A twin-head filling machine, the Vacfil, offered by Busby, Winter & Co., Ltd., 9 Andover Place, London, N.W.6, has stainless steel parts wherever there is contact with liquid. The machine is suitable for liquids and semi-solids, and almost any size or shape of bottle may be filled to a pre-determined height.



Vacfil vacuum filler (Busby, Winter & Co., Ltd.).

TRADE NOTES

Sizes Changed.—Menley & James, Ltd., Coldharbour Lane, London, S.E.5, announce new pack sizes for Edrisal tablets. The tablets are now to be in containers of fifty and 500 tablets, the 25-tablet and 250-tablet packs being discontinued.

Hosiery Measurement Chart.—Fanta (Instruments), Ltd., 26 Savage Gardens, London, E.C.3, have made available a free measurement chart that facilitates the correct fitting of their Perpedes brand Nylon elastic-net surgical hosiery.

Branded Popular Medicines.—Dalmas, Ltd., Junior Street, Leicester, announce the introduction of Dalmas "super-active" cough syrup in 4-oz. bottle and of Dalmas dyspepsia and indigestion mixture in 16-oz. bottle. A course of treatment with the indigestion mixture lasts about thirty days. It may be repeated if necessary.

Change of Manufacturer.—Kenwood Laboratories, Ltd., 159 Finchley Road, London, N.W.3, advise that, from January 1, 1953, they are manufacturing and distributing Serocalcin. Particulars of new price structures and of a national advertising campaign will be shortly publicised. Inquiries and orders from January 1 should be directed to Messrs. Kenwood.

Display Outer.—The pack and display outer displayed were introduced recently



by Meggeson & Co., Ltd., Llewellyn Street, London, S.E.16, for Meggolds medicinal peppermint lozenges.

Sole Distributors.—Distribution of the Eugene beauty shampoo (C. & D., December 6, p. 770) is in the hands of Don S.



Momand, Ltd., 58 Albany Street, London, N.W.1, to whom all orders and inquiries should be sent. The display outer contains forty-eight envelopes.

Laboratory Glassware Distribution.—Quickfit & Quartz, Ltd., Stone, Staffs, have appointed the following additional distributors of their laboratory glassware: Baird & Tatlock (London), Ltd., Chaddwell Heath, Essex; W. B. Nicolson (Scientific Instruments), Ltd., Glasgow; and W. & J. George & Becker, Ltd., London and Birmingham.

Chlorophyll Chewing Gum.—Degree Manufacturing Co., Ltd., Southall Lane, Southall, Middlesex, invite wholesalers and retailers to make use of coupons provided on another page in order to obtain free samples and particulars of their Phyll chlorophyll chewing gum. Retailers' coupons will be passed to wholesale distributors.

Vitamin Quota in One Dose.—A. Wander, Ltd., 42 Upper Grosvenor Street, London, W.1, announce the addition to their pharmaceutical range of Wandervite polyvitamin capsules. Each capsule provides the approximate adult daily requirement of eleven vitamins, among them A, C, D, several important B-complex factors, and folic acid, and gives a day's therapeutic vitamin quota in a single dose. The pack contains thirty capsules.

Improvements in Pack.—Phensic, Ltd., St. Helens, Lancs, have made four improvements in the pack of Phensic. The bottle is now in a green and red cardboard box (gives better display); inside the



box is an illustrated 4-p. leaflet giving detailed dosage instructions; the white front-label on the bottle has been replaced by a label in green, red and black, its wording reduced from fifty to twelve words, stepped up in size; and the dosage instructions and formula have been transferred to a green and red label on the back of the bottle.

Pocket Pack of Aspirins.—Thompson & Capper Wholesale, Ltd., Speke Hall Road, Liverpool, 19, offer a new pocket pack for Q.A. quick-acting aspirin tablets. Q.A. is "strictly C.F." and is being supported by provincial and semi-national advertising. The standard unit is a counter display-box containing twenty-four pocket packs. Bonus terms are available.

New Products for Thyrotoxicosis.—Glaxo Laboratories, Ltd., Greenford, Middlesex, announce the introduction on December 15 of Conthyryin, a combination of methylthiouracil and l-thyroxin sodium. Conthyryin, which simplifies the medical treatment of thyrotoxicosis, is available as tablets of two potencies: Conthyryin 100 (100 mgm. methylthiouracil with 0.1 mgm. l-thyroxin), packs of fifty and 500; and Conthyryin 50 (50 mgm. methylthiouracil with 0.1 mgm. l-thyroxin), packs of fifty and 500.

Christmas Holidays.—NORTHERN PHARMACEUTICALS, LTD., Galen House, Gratton Road, Bradford, announce that they will be open on Christmas day, 11 a.m. to 12.30 p.m.; Boxing day, 10 a.m. to 12 noon (telephone 29200 only on both

days); and December 27, 9 a.m. to 12.30 p.m. (telephone, all lines). The following have announced that they will be closed for the Christmas holidays from Wednesday afternoon, December 24, until Monday morning, December 29: EVANS MEDICAL SUPPLIES, LTD., Speke, Liverpool, 19; GLAXO LABORATORIES, LTD., Greenford, Middlesex (skeleton staff for emergency orders, 8.30 a.m. till 12 noon, December 27); J. H. HAYWOOD, LTD., 11 Warser Gate, Nottingham (also closed on December 29 and 30 for stocktaking; emergency service, December 27); C. J. HEWLETT & SON, LTD., 35 Charlotte Street, London, E.C.2 (urgent supplies of medical specialities through usual wholesale channels); RIKER LABORATORIES, LTD., 29 Kirkewhite Street, Nottingham; ALLIED DRUG AND CHEMICAL CO. (A.D.A.C., LTD.), Robert Street, Hampstead Road, London, N.W.1; and RICHARD DANIEL & SON, LTD., Mansfield Road, Derby. The offices of THE CHEMIST AND DRUGGIST will also be closed from December 24 to 29.

Penicillin by Inhalation.—The oral inhalation of crystalline penicillin potassium salt is carried out with extreme simplicity, giving maximum topical effect simultaneously with absorption into the bloodstream by means of the Armour Inhalator illustrated, a product of the Armour Laboratories (Armour & Co., Ltd.), Lindsey Street, London, E.C.1. The inhalator is marketed alone and in a set with two vials each containing three 100,000 unit capsules of crystalline penicillin potas-



sium salt. For use, the tip of the inhalator is removed from the body. The thread is pulled out of a capsule and it is placed upright in the body of the inhalator with its open end uppermost. The tip is then replaced.

STRAIGHT ANSWERS FROM THE MINISTRY'S CHIEF PHARMACIST

DR. HAROLD DAVIS (chief pharmacist, Ministry of Health) addressed meetings of pharmacists at Truro, Plymouth and Torquay recently. Dealing with "Current N.H.S. Topics," he said the most topical must be the Ministry's recent offer for speeding up the clearance of arrears in pricing. "I maintain that the department did the right thing in putting the offer to the individual contractor." It was surprising that certain Pharmaceutical Committees had sought to influence individual contractors by sending out what were almost directives to refuse the offer.

Fees Might be Simpler

The present method of pricing, which had never really been accepted by the contractors, was working well and was fair to all. It was a flexible method and when arrears had gone then either the split could be made at below 5s. or a larger proportion of prescriptions under 5s. could be priced in full. Pricing time could be significantly reduced if the dispensing fees were simplified.

There was the possibility of economy with proprietaries. "How many of them are significantly superior, therapeutically or pharmaceutically, to the official equivalents?" he asked. There were too many formulations. "We even get sedatives combined with stimulants, whose resultant therapeutic effect may be represented by $x+y=0$." The pharmaceutical industry relied on the introduction of first-class new products to maintain its position in the world markets. Such preparations would normally qualify later for inclusion in the British Pharmacopœia. The question was how to allow a fair return for such research expense without allowing manufacturers not responsible for researches to gain excessive profits at the expense of the State.

As one of the government representatives on the Brussels Treaty subcommittee on pharmaceutical products, DR. DAVIS said he had had the opportunity of comparing notes with the chief pharmacists of Belgium, France, Luxembourg and the Netherlands. Each country quite independently had arrived at the conclusion that nationally advertised proprietaries should not be prescribable under a State scheme. Belgium, Luxembourg and France made pro-rata charges for prescriptions. In France the pharmacist priced each pres-

cription in accordance with his drug tariff, the patient paid the full cost and presented his receipt to a local bureau where 80 per cent. of the cost was refunded. In spite of those efforts each country found difficulty in keeping the cost of medicines within reasonable limits.

Points Raised by Members

Discussions followed at each meeting, and during them the following points were raised and dealt with:—

TRURO

Is not a return to full pricing necessary in order to investigate doctors' prescribing?

—Full pricing and sorting into doctor order by the chemist is the only way in which complete statistics for all doctors will become available, but that would be costly.

There is strong criticism of the change from Latin main titles in the National Formulary. Time is wasted in looking up certain preparations. —Detailed constructive criticism would be welcomed by the National Formulary committee. Chemists should report details to the secretary of the committee.

How does the speaker account for the fact that pricing for Devon and Cornwall has fallen a further two months in arrears? —I am surprised to hear that and hope the position will soon be rectified. Despite the deterioration in the local position the national position was significantly better.

PLYMOUTH

Could not the Ministry grant fees for visits for appliance fitting? —The contractors' committee, provided they are satisfied that a strong case can be made, may present a request for consideration through the "Whitley machine."

Should not doctors rather than pharmacists be educated in the subject of proprietaries? —I am not indulging in propaganda, but stating facts, many of which are new to the audience. There are many representatives "educating" doctors to prescribe specialities and some of their arguments are difficult for the doctors to assess if they have left their pharmacological benches years ago.

TORQUAY

Is it a business proposition for a chemist to be forced into the National Health Service on terms he does not agree with? —The terms were agreed between chemists'

representatives and the Ministry before July 1948.

In the Ministry's original estimates adequate arrangements for meeting the increased demand for pricing were not made. Is not the Ministry "running away from its responsibilities" in not returning to full-pricing? — National Health Insurance pricing was in arrears before the inception of the National Health Service and some averaging schemes, less favourable than the present method, were already being employed in certain bureaux. Pricing staffs cannot be doubled in a matter of weeks or even months. A return to full pricing as practised in N.H.I. days is unnecessary. The present flexible method can be revised when arrears have been cleared to give a sufficiently accurate scheme to satisfy the most meticulous claimant for full-pricing.

PARLIAMENTARY SECRETARY AT SIDCUP

At a meeting of the Dartford Branch of the Pharmaceutical Society held in Sidcup on November 25, Miss M. P. Hornsby-Smith (Parliamentary Secretary, Ministry of Health) gave an address on "Pharmacy and the National Health Service." Fifty-two members were present.

Miss HORNSBY-SMITH complimented the Society on maintaining, for more than a century, the objects of its Royal Charter. The Society had also always been active in the implementation of the Pharmacy Acts. Such national organisation and control by the Society was necessary because the 15,000 pharmacist contractors spread throughout the country were a very important section of the National Health Service. Besides the professional service which they gave as dispensers of medicines for the nation they were also heavily involved in the financial aspects of the service.

The speaker gave details of the rising cost of the National Health Service, and of measures taken to combat it. She also dealt with problems of prescription pricing. Staff in the pricing bureaux, she said, had increased from 490 in 1948 to 1,100 in 1952, but it took about a year for a beginner to reach the maximum efficiency they would attain.

In the pharmaceutical departments of the hospital service, 1,165 full-time and 135 part-time pharmacists were employed. Their work and responsibilities had increased enormously in recent years and a report on pharmaceutical service in the hospitals, which was being prepared by

Mr. H. N. Linstead (a secretary of the Society), would soon be available.

The co-operation between doctors and pharmacists was of great assistance in the smooth running of the pharmaceutical service. At the national level pharmacists were assisting on the Joint Formulary Committee, the Committee on Prescribing and the committee on "Prescribers' Notes." Throughout the country pharmacists had shown great efficiency in handling the vast number of prescriptions dispensed yearly, and there had been remarkably few complaints.

MR. BROCKLEHURST AT YEOVIL

Mr. E. A. BROCKLEHURST (a member of the Council of the Pharmaceutical Society) opened a discussion on the draft revised statement on matters of professional conduct (C. & D., August 2, p. 141) at a meeting of Somerset Branches of the Society and of the National Pharmaceutical Union held at Yeovil on November 6. Mr. Brocklehurst said that the object of the statement was to encourage younger pharmacists to accept the code of ethics. There was a legal opinion that the code could be made enforceable by the Statutory Committee. The meeting approved of the general scope of the statement. It was suggested that paragraphs 3 and 4 (dealing with respectively accommodation and appearance of premises) should be reworded. The "sentiments" of paragraph 3 were agreed to.

Mr. Brocklehurst stated that the Society's Council had suggested that pending the possible inclusion of a new preparation under any poison schedule the Council should have authority to give notice in the "Pharmaceutical Journal" that the preparation should not be sold to the public without a prescription. That was agreed to but it was suggested that notification should be made to members by registered post as "Journals" were often left unopened for weeks now that no mention was made of new remedies.

The meeting felt that further discussion and consideration of the statement was necessary. Members called strongly for the Council to investigate the soliciting of medicinal sales by other traders.

During tea a collection taken for the Society's Benevolent Fund realised £3 18s. 9d. £2 11s. was contributed by members unable to attend. The total was made up to £7 by a member present.

NEW PRODUCTS AND DEVELOPMENTS IN U.S.A.

By an American Correspondent

A TEAM of the Bureau of Animal Industry of the U.S. Department of Agriculture has prepared a concentrate from fish meal which it is thought may contain a new vitamin, since it promotes rapid growth in young chicks, even when they are fed with all known nutrients.

Among new antibacterial products a nitrofuran, Furadantin, which shows promise as a broad-spectrum chemotherapeutic agent has been developed by Eaton Laboratories, Inc., Norwich, New York. It has cleared up kidney and bladder infections unresponsive to treatment with antibiotics. The compound is the first nitrofuran to be developed for systemic use. Details of a newly discovered wide-spectrum antibiotic, Magnamycin, are published by a team of workers from Chas. Pfizer & Co., Brooklyn, New York, in "Antibiotics and Chemotherapy," October 1952. The drug was found effective on organisms that showed resistance to established antibiotics. It did not have cross-resistance with established antibiotics.

The commercial production of a new bacteriostat for inclusion in soap, etc., has been started by the Monsanto Chemical Co., St. Louis, Missouri. The product, 2,2'-thiobis (4, 6-dichlorophenol) is being marketed under the name Actamer.

Mechanised Blood Testing

A machine for carrying out a blood-sugar content determination in less than five minutes has been developed by the Mathewson Machine Works, Inc., Quincy, Massachusetts (see picture opposite). The machine, the Hewson Clinitron, can test accurately 4,300 blood specimens in about forty hours, with the supervision of only one person. In use, tablets of zinc hydroxide, potassium iodide, potassium ferricyanide, and tartaric acid are added to the specimen at various stages of the process. The test tubes containing the blood and reagents are in turn heated, steamed, and subjected to subdued heat in the heating unit; they are then tilted, shaken, and cooled. If the blood-sugar content is not above normal, the solution is blue; if above normal, colourless. The machine is portable, and weighs 53 lb.

The Bureau of Entomology and Plant Quarantine of the U.S. Department of Agriculture has found that a mixture of lindane and a chlorinated polyphenol considerably increases the toxicity of lindane.

Such a mixture was found to kill 80 per cent. of all cockroaches exposed for two hours to a sixty-day-old treated surface,



Hewson blood testing machine in use.

whereas in a control experiment, using lindane alone, only 4 per cent. were killed.

A chemical industry expansion programme involving the expenditure of \$5,000 millions in the period 1951-55 is announced in a progress report of the Chemical Division of the National Production Authority of the United States Department of Commerce.

Four new plants for the recovery of sulphur are being built in the U.S.A. Three are for its recovery from hydrogen-sulphide-bearing gases from the oil industry in Texas (by the Consolidated Chemical Industries, the Stanolind Oil & Gas Co. and Shell Chemical Corporation) and one (by J. T. Chemical Co., at Penn Yann, New York), uses waste gases for the manufacture of carbon disulphide. A plant that will produce about 240 tons of sulphuric acid daily, using sulphur obtained from zinc ore, is being erected at Galina, Kansas, by Eagle-Picher Co.

A plant for the extraction of chlorophyll, which will probably be the largest of its kind in the world, is being built by the National Chlorophyll & Chemical Co., at Lamarr, Colorado. It will have an annual capacity of more than 100,000 lb., and is expected to be in full production by April 1953.

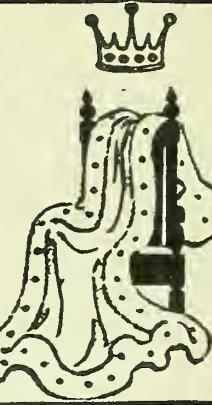
An attempt is being made at Lederle Laboratories, Pearl River, New York, to breed from a freak female mouse with a forked tail a colony of laboratory mice with similar tails.

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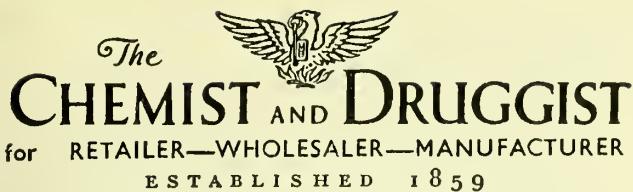
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VOL. CLVIII December 13, 1952 No. 3799

New Controls for Veterinary Therapeutic Substances

AGRICULTURAL problems are often concerned with long-term planning and it is perhaps appropriate that the full effects of the Diseases of Animals (Therapeutic Substances) Order, S.I., 1952, No. 1933) will not be apparent for some time—maybe years—after January 1, 1954, the date of which it comes into operation. Sera, antitoxins, antigens, anaerobic vaccines, killed bacterial vaccines, viral vaccines and living bacterial vaccines, when used solely for veterinary purposes, are controlled by the Order, their manufacture for sale and their importation being prohibited except under licence.

Conditions are laid down demanding expert staff, the provision of adequate buildings and plant, inspection facilities, and batch recording requirements—all similar to those enforced for therapeutic substances in human medicine. Unlike the recent regulations issued by the Ministry of Health, however, the Order insists on the sterility testing of batches in bulk, prior to the final filling operations. Another departure from the human standards is that no "proper names" are defined in the Schedules. The labels must include the name of the substance "as entered in the licence under which the substance is manufactured or imported." Since the general form of labels must be submitted for approval by the Minister of Agriculture and Fisheries it will be of interest to see whether he will insist upon equal prominence on labels for licence and trade

names, if different. Other labelling requirements are:—

(a) Particulars on sealed containers:

(i) Licence number.

(ii) Distinctive batch number.

(iii) Date to which the substance, if kept in suitable conditions, may reasonably be expected to retain its potency. In no case can that be more than two years from the date of manufacture (a far more stringent requirement than that enforced by the Ministry of Health).

(iv) On sera and antitoxins the name of the species of animal in which they have been prepared.

(v) The words "to be used solely for veterinary purposes" (the phrase was the subject of editorial comment on November 29).

(b) Particulars on containers or packages:

(i) Name and address of manufacturer of final product.

(ii) Where a bacteriostat has been added, its nature and its percentage in the substance.

(iii) Precautions necessary to maintain potency of the product.

(iv) Date of manufacture.

The Minister has power to exempt from the requirements of the Order therapeutic substances manufactured or imported for export from Great Britain. Special conditions are indicated for the importation of therapeutic substances under Research Licences.

The first schedule to the Order sets out the various forms to be used. Part I of the second schedule lays down the special provisions applicable to the production of sera and antitoxins; part II details the tests for freedom from abnormal toxicity; the third schedule deals with the testing of viral vaccines containing living virus with special provisions for crystal-violet swine-fever vaccine and canine distemper vaccine. Living bacterial vaccines, anthrax-spore vaccine and brucella-abortus (strain 19) vaccine are referred to in the Fourth Schedule.

The Diseases of Animals Act gives the Minister of Agriculture and Fisheries power to prescribe standards of strength for veterinary therapeutic substances, but

the present Order includes no standards. Doubtless that deficiency will be remedied as and when the Ministry's testing facilities increase.

The C. & D. Diary and Year Book, 1953

AT a commendably early date, *The Chemist and Druggist Diary and Year Book, 1953* (in Ireland the *C. & D. Year Book*) starts to go out to subscribers this week and should be fully distributed before the end of December.

The changes necessary to bring the "perpetual" features among the literary contents up to date have been unusually extensive—a proof, perhaps, they provide the sort of information most to be sought after in an annual publication of this sort. In the pages on the National Health Service, the material is not simply revised but enlarged to include a page on the prescription levy as it affects the pharmaceutical service. The levy, it will be recalled, came into operation during the present year.

The most important feature introduced since the previous *Diary* is a five-page section on the protection of industrial property (patents, trade marks, designs, etc.). Important changes have taken place in the law since the subject was last dealt with in the pages of the *Diary*, and the article provides an invaluable review of the current procedure and regulations. It can be studied with profit by inventors, manufacturers and distributors alike.

A new "directory" that it is fully expected will be welcomed by pharmacists is a comprehensive list of those persons with medical, dental, veterinary, nursing or pharmaceutical qualifications from whom the Home Office has withdrawn the authorities normally held by persons possessing qualifications in those professions. A list of that kind, to be of value to the user, clearly needs to be kept up to date by writing in any names notified during the year or by deleting names of any persons to whom authorities are restored. Already one name (see *C. & D.*, December 6, p. 761) has been notified since the *Diary* went to press. It should—for prudence—be added by subscribers to the list of

names and addresses immediately the *Diary* is received.

Another addition is the list of spirit strengths of pharmacopœial preparations—information, again, that is valuable but not otherwise readily accessible from other sources. A slight change has been made in the *Diary* pages, where English months and titles are given precedence though the Latin titles are retained for the benefit of those traditionalists who like to adhere to the style once universal in pharmacies.

The pages of advertisers' announcements are, as usual, numerous, colourful and informative, imparting an encyclopædic knowledge of the trade to those who make a detailed study of them.

"Ethicals" and the Chemist

WHETHER or not it is possible for a few chemists in business, or, for that matter, a few hospital pharmacists, to secure admission to the London Medical Exhibition (see p. 811), it is quite obvious that the available accommodation would not allow the Exhibition to be thrown open to the whole pharmaceutical profession. Yet it is equally clear that, so long as the majority of "ethical" manufacturers decline to exhibit at the Chemists' Exhibition, pharmacists who want to examine the products of current medical research must either "gate-crash" into the Medical or remain unsatisfied. We know that to take space at two exhibitions so closely spaced is costly, but surely it is worth something to meet the trade once a year. We know, too, that "ethical" manufacturers exhibiting at the Chemists' Exhibition may, on past experience, be found rubbing shoulders with manufacturers of whose policy they may not altogether approve. That drawback might, however, be largely surmounted by careful planning of the exhibition layout and, after all, the manufacturers affected do not refuse to supply their goods to chemists who also stock—as they must—advertised proprietaries. If the "best people" among manufacturers refuse to exhibit to chemists, can it be wondered at if the result is, as this year, an unrepresentative and not entirely prepossessing reflection of the trade?

CORRESPONDENCE

Letters may be sent for publication under an assumed name, but the correspondent must furnish his real name and address to the Editor

Unconsulted

SIR, — The Pharmaceutical Council's statement "Restrictions on the Supply of Veterinary Products" (*C. & D.*, November 15, p. 679), prompts one to ask whether or not the Council sought the advice of practising pharmacists in rural areas, or of the pharmacist members of the Veterinary Codex Committee, before submitting, apparently unconditionally, to the demands of the veterinary surgeons? Before any further additions are made to the list of restricted articles, will the Council give due notice of its intentions to members and seek the advice and views of those pharmacists most likely to be affected?

Much Wenlock. R. A. PALGRAVE.

A Fire Risk

SIR,—It was necessary for me to pay a visit to the South-eastern Pricing Bureau recently, and in the course of this visit I met the Superintendent. If the remainder of the staff at the Bureau are as able, keen and conscientious as Miss Murtroyd, we need not fear any errors in the pricing of our prescriptions. I did, however, observe one serious risk that we are compelled to run. The pricing bureau is situated in a couple of rather ancient Victorian houses. The prescriptions are packed in shelves in corridors throughout the building. This type of building is known to be a fire hazard—what would the position be if a fire took place and our prescriptions were burnt? This matter should be made clear forthwith.

London, N.W.9. H. JUDD.

Medical Exhibition Visitors

SIR, — To Mr. Thomas James, S.W.19 (*C. & D.*, November 29, p. 747), one of the retailers not invited to the London Medical Exhibition, I would suggest that there must be a big leakage of tickets, because Mr. James himself and numerous other chemists managed to spend an afternoon with us. Whilst it would be ideal in any respects to extend invitations to all chemists, owing to the very high attendance by doctors to their own exhibition, Horticultural Hall could not cope with a still greater number in five days. Retail chemists have a similar exhibition all to themselves, when all the main manufac-

turing houses gave a very similar display, and service, until most firms had to withdraw on account of poor attendance.

BYSTANDER.

Figures Challenged

SIR,—I do not often rush into print, but the article by D. W. on N.H.S. figures (*C. & D.*, November 22, p. 714) calls for correction. First, his cost of drugs (£262) included 25 per cent. oncost—about £51—which, in what appears to be a very small business, should cover most of the incidentals of which D. W. complains. Secondly, I work out that D. W. only dispenses on an average fifteen scripts a day, say two hours' work. Therefore he has all the rest of the day to earn money on his front counter. As to his remarks about expensive drugs, his average is about 2s. 2d.—I should say one of the lowest in the country. My average is about 5s. and entails carrying a large stock of expensive drugs such as chloromycetin, etc. I do not say that I am by any means satisfied with the N.H.S. remuneration, but as the owner of a large business it appears to me D. W.'s business is too small to give him a decent income and that he is trying to blame all his troubles on to the National Health Service. G. W.

Metric or Imperial

SIR,—Replying to "Metric" (*C. & D.*, December 6, p. 779), I would point out that the bulk of prescribing is still in the apothecaries' system and doctors are not likely to change their habits quickly. The interests of the Pharmaceutical Society and the British Pharmacopœia Commission are academic and scientific, and retail pharmacy as a science is chiefly concerned with dispensing, but the sale and purchase of drugs is a business matter related both to the counter and dispensary. Counter sales will still be in Imperial. Consider the man who buys ten litres of olive oil and sells one pint. The cost/selling price relationship is rather obscure. The standardisation of bottles (not forthcoming in metric range from the bottle manufacturers) and the sale of liquids by volume could both quite easily be achieved under the present system. Consider the preparation (and assimilation) of new price lists, charts, ready reckoners, conversion tables, etc., with multiple columns in the two systems.

Many of us naturally think the proposed change involves a great waste of time without promoting one scrap of business—the N.P.U. should stamp on the idea at once.

IMPERIAL.

Payments to a Country Chemist

SIR,—There are several ways in which Mr. Noble's letter (*C. & D.*, December 6, p. 779) could be answered, but as it is my sincere desire to get objections to the present system of averaging amended as soon as possible I confine myself to the bare essentials. Briefly, for the seventeen months quoted I received £1,567 for drugs, paid out £1,714, difference £147 or, with 25 per cent. oncost added, £577. Further, the payment for drugs, as distinct from dispensing fees, has been very erratic, as the undenoted figures indicate:—

No. of scripts	Payment for drugs (in round figures)	No. of scripts	Payment for drugs (in round figures)
579	£72	814	£93
803	£79	640	£82
958	£94	743	£89
844	£110	714	£99
754	£84	858	£109
787	£81	880	£121
729	£95	841	£129
785	£90	1067	£140

As the pattern of dispensing is fairly uniform there should not be such variation, and it was this that prompted me to check all invoices. I should be glad to hear that some other contractors have made, or will make similar investigations.

Great Missenden. H. R. THURGAR
(trading as G. J. Coombes).

P.A.T.A. Council Election

SIR,—I hope all chemists will vote before December 15 in the Proprietary Articles Trade Association election and that the four retiring members will be returned to continue the excellent work they have all done for retail pharmacy. The retail section is not dying on its feet owing to lack of infusion of new blood! In less than eight years we have had nine "new bloods."

Castleford. C. S. CHALLINOR.
(*A member of council, 1945*).

SIR,—There appears in the advertisement columns of *THE CHEMIST AND DRUGGIST* (December 6) an appeal to all P.A.T.A. electors over the signature of Mr. J. E. Goodall, one of the retiring candidates. In one paragraph he states that

nine new members of the retail section have been "elected" in eight years. Until my intervention last year, members of the Council had been consistently returned unopposed for a period of thirteen years. Vacancies on the council had been filled by co-optation, and members came up for election at the normal expiration of their period of office. Though technically, therefore, Mr. Goodall is correct, these councillors have never held their seats in a contested election. A system has been allowed to develop by which we now have eight councillors out of twelve serving from London or the Home Counties. I trust the members will bear these facts in mind when recording their votes.

Portsmouth. J. C. BLOOMFIELD.

Recognition and Responsibility

SIR,—In the last resort, and whatever claims are made that the Pharmaceutical Society's Council received a mandate from the Nottingham Branch Representatives' meeting for the recognition and registration of the unqualified, the fundamental responsibility remains on the Council to maintain the status and prestige of all pharmacists. The yardstick is the Royal Charter of Incorporation, plus the successive legal enactments. The basis of judging the proposed recognition is becoming somewhat involved by reason of (a) the obscurity of the Council's intentions, and (b) the statement issued by the National Pharmaceutical Union (*C. & D.*, December 6, p. 771). The former is, in the absence of details, the cause of much disquiet in the minds of most pharmacists; and the latter's statement, paragraph 4 ("That the training should be regulated by and the examination controlled but not carried out by the Society"), needs amplification. In the absence of explanation it is pertinent to ask if the intention is to add an educational and training-of-personnel responsibility to the already ill-balanced Joint Industrial Council for Retail Pharmacy. It must not be overlooked that most J.I.C.'s, so far, have dealt with matters of education, training, etc. On such occasions there has been consultation between J.I.C.'s and Government departments. The Registered Pharmacists' Union is carrying out a card vote of its members on the proposed recognition. Replies are still coming in, but to date the result is 97 per cent. against and 3 per cent. in favour (subject to certain safeguards).

East Barnet. G. H. ARMITAGE.

ANTIBIOTICS AS GROWTH-PROMOTING AGENTS

A SYMPOSIUM on antibiotics in animal growth promotion was presented in London recently under the auspices of the United Kingdom Branch of the World's Poultry Science Association. MR. M. E. COATES, Ph.D., Ph.C. (National Institute for Research in Dairying, Reading University), read a paper in which he said that the mechanism by which the antibiotics brought an improvement in growth—an effect first noted in 1950 and now amply confirmed, was by no means clear. The effect could be a result of altering the population of micro-organisms normally found in the gut or of suppressing an infection that prevented the animal from growing at its optimal rate. It was known that organisms present in the gut could synthesise certain essential nutrients, while others utilised food factors at the expense of the host. Nutritional experiments indicated that a chick's requirements of certain vitamins of the B complex were reduced when antibiotics were included in the diet. The unidentified vitamins of the animal protein factor appeared to be spared, for it was on all-vegetable diets that the most spectacular improvements in growth on feeding antibiotics were observed. Even on diets containing ample vitamins and animal protein, marked improvements in growth on feeding antibiotics had been found, and there must therefore be some further action beyond the straightforward economy of vitamins.

A Growth-depressing Infection ?

The possibility of the existence of a growth-depressing infection was first presented when Cuthbertson and colleagues at Glaxo Laboratories, Ltd., failed to confirm the findings of the speaker and his colleagues. Chicks in the company's laboratory, which had not previously housed poultry, did not respond to penicillin, and grew as well without it as his birds given the antibiotic. Since Dr. Coates' laboratory had been in constant use for chicks for a number of years, the experiment was repeated in a new building, and better growth with no response to penicillin was also observed there. It appeared from those results that some growth-depressing condition existed in the old chick-room that was absent from premises freshly given over to poultry. The condition was shown to be transmissible for, unless given antibiotics, birds in the new rooms declined in weight when chicks from the

old room were placed with them in the same cages. He suggested that the mode of action of antibiotics was twofold: (a) An indirect economy of vitamins of the animal protein factor; and (b) suppression of a hitherto undescribed infection that prevented optimal growth.

MR. K. J. CARPENTER, M.A., Ph.D., Rowett Research Institute, in a paper on experimental trials with antibiotics, said the antibiotics had apparently no beneficial effect on laying or breeding birds, but did stimulate table-bird production. Most workers had concluded from comparative trials over short periods that aureomycin, bacitracin, procaine penicillin and terramycin were equally active when fed at a level of 20 gm. per ton of feed, and that the level of procaine penicillin could be reduced to 5 gm. or even 2 gm. per ton, whereas the others were less active at those levels. On the other hand, to maintain a given level of penicillin activity, it might be necessary to allow for more than 50 per cent. destruction in a mixed food after storage. Most of the growth-stimulus occurred in the first six weeks of life.

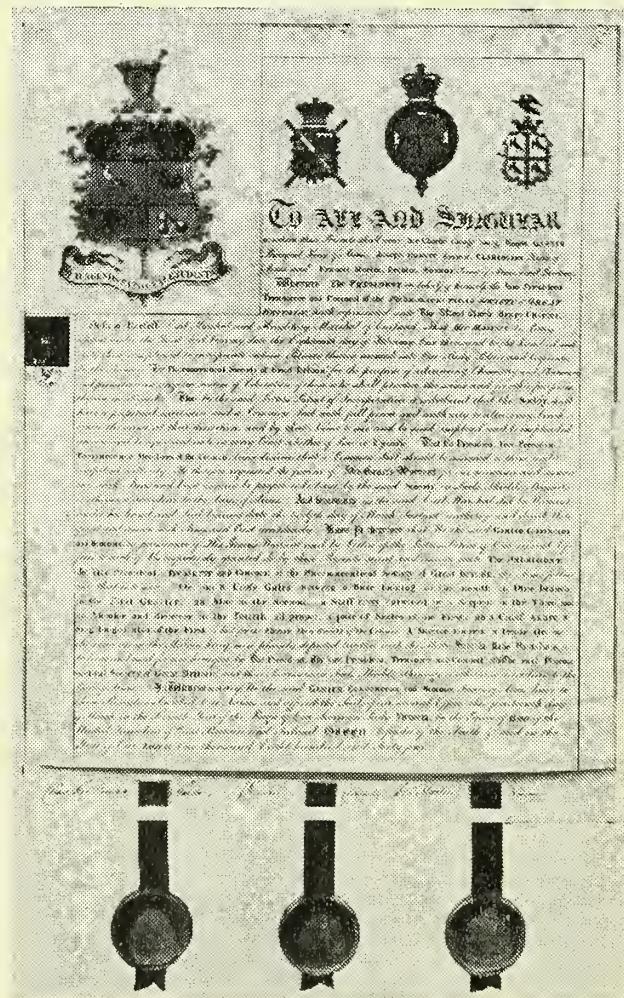
Practical Considerations

MR. W. MCKAY, Ph.D. (Spillers, Ltd.), in a paper on the practical considerations of antibiotics in growth promotion, said that the turkey responded most readily to antibiotics, possibly because of its relative vulnerability to ill-health during its early weeks of life. He had found no difficulty in mixing antibiotics in the feed prepared as a pre-mix with standardised content, nor any practical milling problems. In experimental work he had used chiefly aureomycin and penicillin and, in one experiment in pigs, streptomycin. Generally, the penicillin-fed birds responded more rapidly, but the feathering and the finish of those on aureomycin appeared to be superior. In flocks where feeding the antibiotic was suddenly stopped the progress of the birds stood still for about four weeks until they gathered momentum again and went forward at the normal growth rate. If, on the other hand, the feeding was gradually tailed off, that upset was avoided. He believed that antibiotics would be largely used for flesh production in pigs and turkeys. In pigs especially there seemed to be an important place for antibiotics considering the hygienic and bacterial infection hazards most pigs had to face.

PHARMACY ACT CENTENARY EXHIBITION

IN place of its December evening meeting the Pharmaceutical Society staged an exhibition on December 3 and 4 to mark the centenary of the first Pharmacy Act in Britain: the Act of 1852. The exhibition was open to members of the Society and, on the second evening, representatives of other societies and departments (among them the Privy Council, the Ministries of Health and Education, the Home Office, the General Medical Council, Medical Research Council, British Medical Association and University of London). About 100 members of the Society attended on the first day. They were welcomed by the curator of the Society's museum (Dr. J. M. Rowson) and the Society's librarian (Miss Agnes Lothian), their staffs and other officials of the Society. The organisers had assembled from many sources pharmaceutical apparatus, documents and *materia medica* of the period.

A copy of the Act was on view in the library alongside an explanatory circular



The Society's Grant of Arms.

sent out at the time by Mr. G. W. Smith (then secretary of the Society). The original Charter of the Society, also on show was accompanied by the Grant of Arms to the Society. Exhibits relating to Jacob Bell served as a reminder that he introduced the Bill into Parliament (he was Liberal M.P. for St. Albans). There were letters written by Bell to the Society and a small notebook giving a list of "fractures" made by Jacob Bell during his apprenticeship, with his own pen drawing of some of the accidents. A letter sent by Dr. Jonathan Pereira, F.R.S., to Bell in 1852 was also shown.

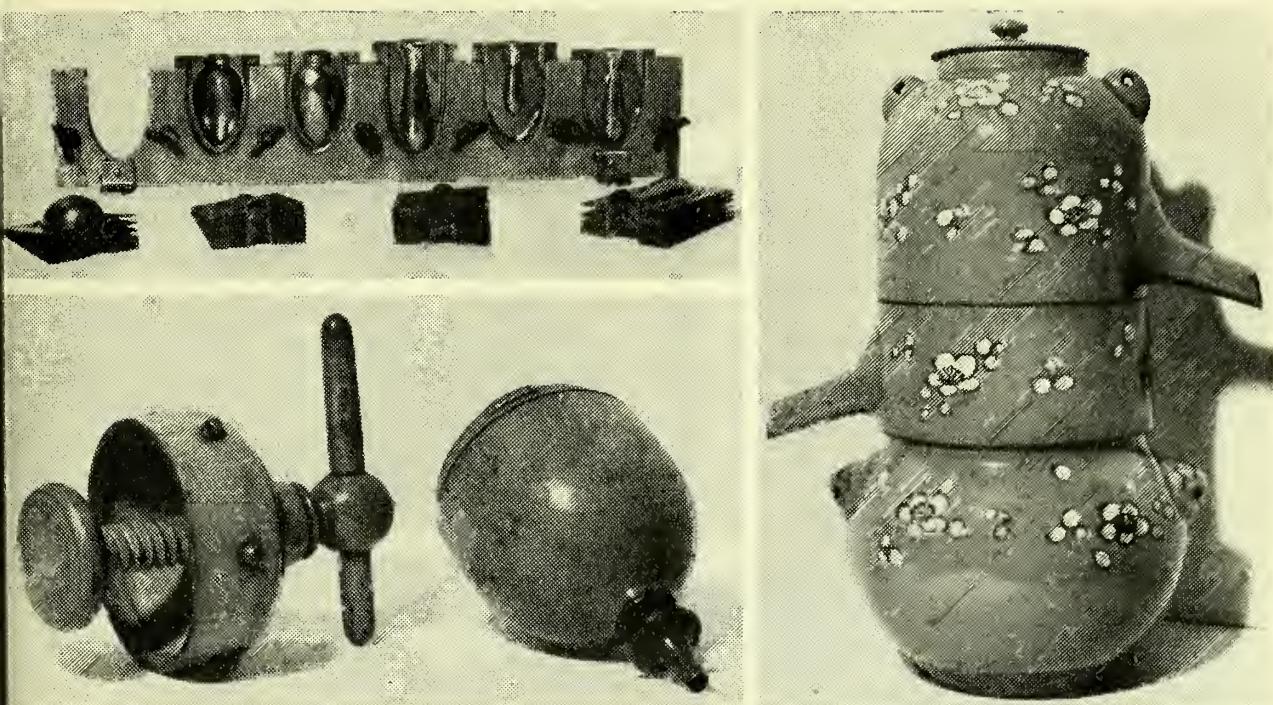
Pharmacopœias of the Period

Books on view included the London Pharmacopœia, 1851, the Irish Pharmacopœia, 1850, Squire's "London, Edinburgh and Dublin Pharmacopœias, 1851," Morton's "Anæsthetic Properties of Ether" (1853) and the first British textbook of pharmacy: "Practical Pharmacy" by Mohr and Redwood.

An exhibit "Pharmacy in 1852" included Daniel Hanbury's Pharmaceutical Chemist certificate, a prescription book from the Old Plough Court pharmacy of Allen & Hanburys, Ltd., articles of apprenticeship dated 1850 between Edward Adcock and his son (Isaac Dixon Adcock), drug orders, chemists' labels and prescription envelopes.

In the museum were exhibits of drugs presented to the Society in 1852 and drug official in the 1852 London Pharmacopœia. The donated drugs included Abyssinian tea, copalche bark, coffee in the husk and cedron nuts. Among the official drugs were carrot, leeches, marshmallow root, juniper berries, cowhage, tobacco, and sweet almonds. A display of bears' grease polids included many illustrated in the 1955 Annual Special Issue of *THE CHEMIST AND DRUGGIST*, framed pages of which were also shown. A cabinet contained specimen of cinchona collected, assayed and labelled by John Elliott Howard. A small *materia medica* cabinet contained drugs that were included in the syllabus at the middle of the nineteenth century. Materials pertaining to opium (including poppy capsules and opium pipes) and curare (including poisoned darts) made up another exhibit.

In another part of the museum a display entitled "Drugs and Apparatus used in



Upper left: Adaptable suppository mould. Some of the units are shown in the foreground. Lower left: Boxwood lemon squeezer. Right: Japanese lambik water still.

852" included a group of microscopes of the period including a "Long Tom" instrument not greatly different in shape from the microscopes of today. A card explained that achromatic microscope lenses were first produced in the early nineteenth century. Another instrument was a drum microscope, the long tube of which incorporated the stage. Ophthalmoscopes (similar in appearance to their modern counterparts), a saccharimeter (a specialised hydrometer), a Sykes hydrometer, and hypodermic syringes, were other examples of instruments based on current principles.

Dispensing apparatus shown included dispensary balances, one with glass vessel and counter-poise attachments for weighing liquids; weights, among them cup weights designed so that each weight fitted into the next larger, the largest of all fitted with a lid (one large set had a lid decorated with brass figures); a boxwood lemon squeezer (see illustration) in the form of an enclosed screw press fitted with a nozzle for the juice to run out; a powder folder; plaster iron with attachment for connecting to a gas supply; a copper bell burnisher; and a suppository mould (see illustration) which could be adapted for different sizes and shapes of suppository (separate mould "units" are clamped between two metal plates).

Decorated earthenware leech and honey jars, inhalers (of the kind in which the in-

halants are vaporised with boiling water), feeding bottles, and a Japanese *lambik* for water distillation were another type of exhibit. The Japanese piece was a dome-type still in which steam condenses inside a dome and is collected in a trough running round the inside. Other exhibits included wooden drug barrels and boxes, homoeopathic medicine cases, and other items from the "private museum" of Mr. A. J. Fairlee, which was described and illustrated in the 1952 Annual Special Issue of the *C. & D.* A castor-oil spoon with hollow handle enabled the dose to be blown down a patient's throat. There were such curiosities as an ebony and ivory trumpet-shaped stethoscope, a skin scarifier (when a small lever is pressed sharp blades arise from one of its surfaces), a tooth extractor with a corkscrew action, and an *écuelle à piquer* for the removal of oil from lemon rind (it consists of a shallow bowl with a tube leading away from it and with spikes on the inside. When lemons are rolled in the apparatus the oil glands are pierced).

A New Sweetener.—"But his rhythmic, texturally brilliant, reading of Franck's A minor Chorale presented that master's work in the most favourable light possible; there was no suspicion of coagulated saccharin."—From a "Times" report of an organ recital.

SPEECH DAY AT SUNDERLAND

THE annual speech day and prize giving of the pharmacy department of the Sunderland Technical College was held at the college on November 5, Mr. D. A. Wrangham (principal) in the chair. A large audience included governors of the College and representatives of many north of England Branches of the Pharmaceutical Society.

Courses Reorganised

MR. F. H. OLIVER (head of the department), in his report for the session said that changes in the Society's regulations and the recognition of the College by London University for the new honours



The Winch Memorial scholar (Mr. K. Leak) being congratulated by Professor Alexander Kennedy at the prize-giving of Sunderland Technical College. At right: Mr. F. H. Oliver (head of department).

B.Pharm. degree had necessitated a complete re-organisation of all courses. Since most students now entering College had not had the benefit of an apprenticeship, a two-week intensive preliminary course in dispensing would be given to all students enrolling for final courses. It was, he said, becoming increasingly difficult to fulfil the conditions of practical training in pharmacies. Particularly did that apply to students who had passed final examinations. He appealed to pharmacists for help in securing apprenticeship training.

A satisfactory pass list had been obtained in the Society's examinations and in London University degree examinations. Mr. Oliver thanked the staff for their support and co-operation and acknowledged the help given by the chemistry, biology and physics departments of the college. Active research on several subjects was in progress by members of staff and research students. He announced that Sunderland had been chosen for the

1953 conference of the British Pharmaceutical Students' Association.

DR. A. KENNEDY (professor of psychological medicine, King's College, Newcastle).—After receiving the "Guy Fawkes Award in Advanced Pyrotechnics" (a large box of fireworks) as an aid to the "education" of his four sons—presented the prizes. He then delivered an address on "Psychology and Pharmacy."

A vote of thanks to the speaker was proposed by Dr. A. Pickworth (a governor of the College) and seconded by Mr. K. Leak (winner of the Hope C. M. Winch memorial scholarship).

Prize-winners

Other prize-winners were (donors' names in italics):—

FIRST YEAR: *Middleton* prize (general subjects) T. H. Oakes. *South Shields Pharmacists' Association* prize (general), Jean S. Burnip.

SECOND YEAR: *Pharmacy IIA* prize (general), Margaret E. Furness. *Pharmacy IIB Bleasdale* prize (general), B. Dobson. *Pharmacy IIC Sunderland Branch of the Pharmaceutical Society*, chairman's prize (pharmacognosy and physiology). R. G. Cassidy. *Evans* prize (pharmaceutics), P. Grace. *Mawson & Proctor Pharmaceuticals, Ltd.*, prize (pharmaceutics), V. Thompson. *Durham County Branch Chairman's (1947-48) prize* (practical pharmaceutics), Alma Hale. *Newcastle Branch* prize (pharmaceutical chemistry), R. J. Dakin.

THIRD YEAR: *Pharmacy IIIA* prize (general), R. N. Simmons. *Pharmacy IIIB Sydney A. Gamlen* prize (general), R. Bamborough. *Hall Forster* prize (pharmacognosy and physiology), Mary B. Thompson. *Tees-Side Branch* prize (pharmaceutical chemistry), Ronald Bamborough, R. N. Simmons. *Wilkinson & Simpson* prize (pharmaceutics), D. W. Snowdon.

Sunderland Branch National Pharmaceutical Union prize (for contribution to the social and cultural life of the college), M. Baum.

Symbolology.—What . . . are the motives of the small chemist in whose window . . . I saw an enormous sponge marked £7? . . . The sponge is, in fact, a magic symbolic object. The jars of red and green water show this man's initiation into the more obvious, clear-cut mysteries of chemistry; but the sponge is the symbol of something far more diffuse and vague—of his *Vaishya* membership. He, too, is a shopman, as well as a chemist. He belongs to this marvellous commercial nexus; he is one of these magical middlemen who bring us the fruits of the earth in neat parcels with looped string.—*Paul Jennings in the "Observer."*

PHARMACEUTICAL COMMITTEES' CONFERENCE

Concluded from THE CHEMIST AND DRUGGIST, December 6, p. 772.

AFTER completing the section introduced by Mr. Hudson the Conference proceeded to consider resolutions relating to the scheme for testing drugs and appliances. Liverpool Pharmaceutical Committee requested that all test prescriptions should be subject to approval of the chairman of the Local Pharmaceutical Committee or his deputy prior to use by the agent. The motion was carried. The Conference considered that a contractor should not be put to the trouble of appearing in person before a Service Committee where an alleged defect in a dressing or appliance was due to a fault in manufacture and the contractor had purchased under warranty. A resolution from Glamorgan, drawing attention to variations by the Ministry of penalties proposed by Service Committees, was adopted. The chairman informed the Conference that representations had already been made to the Ministry.

The Conference was unanimous that the present layout of the National Formulary was unsatisfactory and called for revision to the form used in the Drug Tariff, January-June 1941 (titles and formula in Latin, with formula given quantitatively or standard quantities of each preparation). The Conference also thought that the successive editions should be varied as to colour of binding and that the children's section should be printed on paper of distinctive colour. The Conference instructed the Committee to undertake the production for sale to chemist contractors of a formulary on the lines referred to above, if such a production could be made available without infringing copyright.

The following resolutions were also adopted:—

(1) That no prescription form should include prescriptions for more than one member of a family and that steps be taken to secure conformity by prescribers with their terms of service which require a separate form to be used for each patient.

(2) That suitable action be taken to prevent excessive prescribing.

(3) That this Conference views with concern the increasing number of pharmaceutical preparations denied general prescription on EC10 forms and submits that all BP and BPC preparations should be prescribable without let or hindrance.

(4) That the name of the manufacturer should not be stated on NHS prescription forms where the same firm are contractors under the National Health Service carrying on business under the same name as the manufacturer or similar name, leading many of the public to believe that they

should obtain those preparations from pharmacists so named.

(5) That this Conference is of opinion that the use of containers branded with the names of contractors for National Health Service dispensing should be discouraged.

(6) That, to facilitate dispensing, manufacturers should supply tubed preparations in plain tubes or with a wrapping which is easily and quickly removable.

Resolutions urging the appointment of a pharmacist member to each Hospital Management Committee were carried.

ECHOES OF THE PAST

EMBELLISHING THE FEMALE

From "The Morning Chronicle," London.
April 9, 1795.

SIR,—Your paper having attracted the admiration of many besides me for the excellence of the intelligence it contains, I beg leave to solicit your insertion of a few remarks I shall occasionally make on the importance of those articles which are calculated to give to the female person, the highest and most natural embellishment. This species of information I trust will be particularly interesting to the ladies of this island, at a time when their duty demands and their inclination actuates them to appear as lovely as possible, to grace the train of the long expected Princess of Wales.

Having thus communicated to you the laudable reason that induces me to trouble you with my sentiments on this occasion, I shall proceed to remark that JOHN-SON'S JESSAMINE SOAP and NAPLES CREAM has been adopted by many ladies of my acquaintance with the happiest success. They act in unison with each other, the former prepares the face and neck for that indescribable improvement which the latter can alone bestow, and which is so essentially necessary to the personal adornment of the loveliest of countenances, that language is inadequate to give a competent idea of their value.

C. & D. Post-graduate Course

ESSENTIALS OF TREATMENT

The next instalment
will appear in January

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN

A MEETING of the Council of the Society was held in London on December 3, the president (Mr. W. J. Tristram) in the chair. Apologies for absence were announced from Dr. Giles, Mr. Deacon and Miss Burr.

Students Who "Go Stale"

At the conclusion of the report of the Education Committee, MR. T. HESELTINE asked the chairman of that Committee (Mr. C. W. Maplethorpe) whether he was satisfied that two examinations a year were sufficient. He had received at least one complaint from a student who said that it was not a good thing, so far as students were concerned, and he instanced a case in which a student had passed in two subjects and failed in the third. Taking the examination the next time the student had again passed in two subjects but again failed in the third. The next time he passed in the third subject and failed in one in which he had previously been successful. That sort of thing, pointed out Mr. Heseltine, could go on forever, because students went stale. MR. MAPLETHORPE said in reply that he did not know to which examination Mr. Heseltine was referring, but the Intermediate examination was still being held four times a year. The Ph.C. was held twice a year. It was felt that six months was the minimum period desirable between examinations.

No further discussion took place in public.

Letters from the Clerk of the Council approved the appointment of examiners for England and Wales and Scotland for 1953 and approved also amendments to the Society's by-laws to provide for an increase in the premises registration and retention fee from £2 2s. to £3.

The annual reports of the boards of examiners for England and Wales and for Scotland were received. The Education Committee decided to call the attention of pharmacy teachers to the decision of the board for England and Wales that each separate student's report of a technical exercise should be initialled and dated by the teacher.

The Organisation Committee considered the possibility of holding a special Branch Representatives' meeting to consider the revised draft Statement on Matters of Professional Conduct before its submission to the annual meeting in May 1953. A resolution from the Portsmouth Branch object-

ing to the decision to hold a Branch Representatives' meeting the day after the annual meeting, on the ground that that was contrary to an assurance given by the president was countered by a statement that the assurance given had been that the Council would consider whether a meeting could be arranged. The Council decided to hold on May 13 a special Branch Representatives' meeting to consider the draft statement.

It was reported that seventy-nine Branches out of 134 had replied to a request for comments on proposals for Branch regional organisation. The Council approved a recommendation by the committee that the Branches should be informed that there did not appear to be sufficient support to justify the adoption of the grouping scheme as a matter of policy, but that the Council should support the voluntary formation of groups.

Views on Conduct and Assistants

The Ethical Committee noted the views of several Branches which had written on the draft revised statement. They included the following:—

TEES-SIDE BRANCH: ". . . the paragraphs on professional conduct, headed 'Scope of Pharmaceutical Service' and 'Conduct of the Pharmacy' have no place in any statement on professional conduct. They are adequately covered by the first paragraph of the Statement now in force. . . ."

LEEDS BRANCH COMMITTEE: "This statement should be rejected in its entirety and a fresh draft should be drawn up, in consultation with a joint committee representative of all sections of retail pharmacy."

HARROGATE BRANCH: Paragraphs 11, 12, 13, 14, 19, 20, 21, 25, 26, 27, 29, were agreed; 2, 4, 8, 9, 17, 23, 24, 28, were not acceptable, and 1, 2, 5, 6, 7, 10, 15, 16, 18, and 22 were agreed subject to modification or deferred for further consideration.

EASTBOURNE BRANCH: Comment on the whole was favourable. Amendments to paragraphs 2, 4, and 10 were suggested.

The Council agreed to a suggestion to the Ethical Committee from the National Pharmaceutical Union that there should be a meeting to discuss the draft revised Statement.

The Public Services Committee noted resolutions on assistants in pharmacy from a number of branches. The Committee had also received letters from the Registered Pharmacists' Union, making inquiries on a number of points, and from the National Pharmaceutical Union embodying a statement of the Union's views on the question

of assistants. The Branch resolutions were as follows:—

ROCHDALE BRANCH: "Members of this branch give their wholehearted support to the Council on this matter and hope that as quickly as possible regulations for the examination of assistants will be drawn up by the Society and put into operation early in 1953."

BEDFORDSHIRE BRANCH: "The Society should give no official recognition or title to unqualified personnel."

BRADFORD BRANCH: "The Council should take sufficient safeguards to ensure that this recognition is no encroachment on pharmaceutical qualifications."

EXETER BRANCH: "The branch is against any registration of dispensing assistants."

HUDDERSFIELD BRANCH: This branch protests in the strongest possible terms against the proposed registration of dispensing assistants.

WORCESTER BRANCH: "Any certificate issued to any assistant should be issued by the Pharmaceutical Society of Great Britain, according to the standards laid down by the Society."

WALTHAMSTOW N.P.U. BRANCH: "The Report has not had sufficient discussion. Eventually a plebiscite should be taken on the subject."

MANSFIELD BRANCH: "An assistants' examination should be recognised only for use in hospitals."

EASTBOURNE BRANCH: "This branch will support the action proposed in the Report on Assistants in Pharmacy."

The Benevolent Fund and War Aid Committee recommended and the Council approved that a Christmas gift of £2 2s. should be made to each of forty-two child-

ren under the age of sixteen whose parents received grants from the Benevolent Fund during 1952.

The Council did not agree to a recommendation by the Finance Committee that, in order to keep the estimated expenditure within the estimated income, the allowance for educational grants should be reduced.

MR. HUDSON asked that his name should be publicly recorded as having opposed that decision, on the sole ground that it would not allow the Society to produce a balanced budget. Messrs. Dowty, Hinchliffe, Macfarlane and McNeal asked that their names should be similarly recorded.

The Executive Committee of the British Pharmaceutical Conference reported its decision not to hold a religious service in connection with the British Pharmaceutical Conference as it would be impracticable and possibly undesirable. The Council concurred with the view of the Organisation Committee that it was impracticable to arrange such a service at some other time of the year.

The Council adopted a recommendation of the Codex Revision Committee that English titles should be adopted throughout the Codex as the main titles in place of Latin, with Latin names used in the subheadings.

HOW STEREOCHEMISTRY HAS DEVELOPED

Professor Read addresses the Edinburgh evening meeting

AT the inaugural meeting of the 101st session of the Scottish Department of the Pharmaceutical Society held in Edinburgh on November 21, Mr. H. T. Thomas (chairman of the Executive) presiding, PROFESSOR JOHN READ, F.R.S. (St. Andrews University) traced "Some Steps in the Development of Stereochemistry." Professor Read dealt with researches conducted by himself and collaborators in Zurich, Manchester, Cambridge, Sydney and St. Andrews. Space chemistry, he said, had its origin as a science in Pasteur's historic investigations, beginning in 1848, on the tartaric acids. The fundamental conception of the stereochemistry of organic compounds was that the four atoms of radicals attached to carbon in a saturated compound were arranged spatially at the four corners of a tetrahedron, of which the carbon atom occupied the centre. As that fruitful idea was associated particularly with the Dutch chemist van't Hoff, who was born in 1852, the speaker said his

address was in effect a centennial commemoration of one of the outstanding figures. Though the subject had its origins in a study of naturally occurring substances its principles had been largely elucidated on purely artificial compounds. Its finer manifestations stood outside the control of the chemist and remained inseparable from the processes of the living plant or animal. Proposing a vote of thanks to the lecturer, DR. ISOBEL A. SMITH, Dundee, said that in the past fifty years Professor Read had been associated with most of the new methods of resolution of asymmetric compounds. MR. C. G. DRUMMOND, Edinburgh, said that pharmacy should express its thanks to Professor Read for his researches, which had contributed in many ways to the practice of pharmacy and the understanding of the materials used in it. In a felicitous reference to Professor Read's culture and wide interests he said that no one could live fully whose interests were narrow. That applied to pharmacy.

TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quantities of standard quality. Prices of crude drugs and essential oils vary as to brand or grade.

London, December 10

DURING the week a little more business was done in PHARMACEUTICAL and FINE CHEMICALS, particularly on home account. Prices of nearly all commodities were unchanged, but an exception was PHENOBARBITONE, the price of which has become extremely fluid. Contrary to former practice, British manufacturers appear now to have no fixed schedule, but the indications are that the price has been cut — by at least one manufacturer — by between 8s. and 10s. per lb.

An improvement in the supply of ACETONE is manifest by the announcement (p. 793) that that chemical can now be freely exported to Commonwealth countries and the United States.

More general business was also transacted in CRUDE DRUGS throughout the week, with a wide range of commodities in demand. Orders were, however, for small lots only. Prices of Peru BALSAM, CLOVES, GINGER, and the black varieties of PEPPER were slightly easier. ERGOT was in little demand at about 15s. to 15s. 6d. per lb., the prices asked for spot material. Interest was shown in COCHINEAL by overseas buyers, and supplies here are said to be low. Stocks of the best-quality Tinnevelly SENNA LEAVES are low on the spot, but there are ample supplies of the cheaper qualities. SENNA shipments from Tuticorin during November were as follows :—

DESCRIPTION	U.K.		EUROPE
	Bales	Bales	
LEAVES ...	9	50	352
PODS ...	70	0	129

Price changes in ESSENTIAL OILS were mainly in a downward direction. ANISE, again lower at origin, was also three-pence per lb. cheaper for spot supplies. CARDAMOM showed a substantial fall compared with previous values. LEMONGRASS and GERANIUM, on the other hand, were slightly firmer.

U.S. Drug and Chemical Report

NEW YORK December 9

MORE favourable production costs have permitted a reduction of synthetic CAMPHOR to 57 cents per lb. in powdered form (90 cents in tablet form), each down 3 cents. Higher per lb. are AGAR at \$2.40 (up 5 cents); and PERU BALSAM at \$1.30 (5 cents). Exporters may now ship agricultural insecticides containing 25 per cent. or more DDT to most countries without applying for individual export licences. Lower per lb. are COPAIBA BALSAM at \$1.00 (down 10 cents); TOLU BALSAM, \$3.50 (10

cents); ERGOT, \$2.50 (\$1.00); BELLADONNA LEAVES, 32 cents (3 cents); Cape ALOES, 28 cents (4 cents); and Curaçao ALOES, 50 cents (5 cents). In the ESSENTIAL OILS market higher per lb. were DILL at \$3.85 (up 15 cents); CLOVE BUD at \$8.50 (50 cents); CLOVE LEAF, \$2.80 (15 cents); and Bourbon VETIVERT, \$21.00 (\$1.00). Lower per lb. were FENNEL at \$2.50 (down 15 cents); and Bourbon GERANIUM, \$12.00 (50 cents).

Pharmaceutical Chemicals

BISMUTH SALTS.—The following are the prices (per lb.) in largest bulk packages :—

	1-cwt.	28-lb.	7-lb.
	s. d.	s. d.	s. d.
CARBONATE ...	24 5	24 8	28 6
SALICYLATE ...	23 2	23 5	27 1
SUBGALLATE ...	22 2	22 5	25 11
SUBNITRATE ...	21 8	21 11	25 4

2-cwt. lots are 3d. per lb. less than the 1-cwt. rates. Rates of other salts are :—CITRATE, B.P.C., 22s. 11d.; NITRATE, cryst., 14s. 11d.; OXIDE, 28s.; OXYCHLORIDE, 28s. 1d.; OXYIODOGALLATE, 29s., and TRIBROMPHENATE, B.P.C., 27s.—all 1-cwt. lots.

CALCIUM CARBONATE.—B.P. is £28 per ton, delivered U.K.

CALCIUM CHLORIDE.—B.P. crystals are 1s. 0½d. per lb. in 1-cwt. lots and exsiccated, 9½d.

CALCIUM SUCCINATE.—Quotations are from 10s. 6d. to 12s. 6d. per lb., as to quantity. SUCCINIC ACID is from 10s. 3d. to 12s. 3d. per lb.

CHLORBUTOL.—28-lb. lots are at the rate of 13s. 6d. per lb.

CHLOROCRESOL.—Pharmaceutical quality is quoted at 6s. per lb., in 1-cwt. drums.

CHLOROXYLENOL.—B.P. quality is quoted at 6s. 9d. per lb. for 1-cwt. lots.

CINCHOPHEN.—1-cwt. lots are quoted at 24s. 9d. per lb., with smaller quantities up to 27s. 9d. per lb.

COCAINE.—Rates per oz. are as follows : ALKALOID and SALICYLATE, bottles ½-oz., 27s. each; ½-oz., 53s. each; 1-oz., 104s.; 4-oz., 103s.; 8-oz., 102s.; 16-oz., 101s.; tins, 25-oz., 100s.; HYDROCHLORIDE and NITRATE, bottles, ¼-oz., 24s. 6d. each; ½-oz., 48s. each; 1-oz., 94s.; 4-oz., 93s. 3d.; 8-oz., 92s. 3d.; 16-oz., 91s. 6d.; tins, 25-oz., 90s. 6d.

CREOSOTE.—B.P. quality, ex beechwood, is quoted at from 6s. 9d. to 7s. 6d. per lb.

DIPHENAN.—Prices range from 58s. to 67s. per lb., according to quantity.

ERGOMETRINE.—The MALEATE, B.P., is

45 per gm. and TARTRATE, £41 15s. per gm.

GLYCERIN.—Rates for chemically pure (B.P.) are as follows:—

Minimum deliveries off contract of	Under 1 cwt.		1 cwt. and under 5 cwt.		5 cwt. and under 1 ton		1 ton and under 5 ton		5 tons and under 25 tons	
	s.	d.	s.	d.	s.	d.	s.	d.	s.	d.
Per cwt.										
INS										
14-lb.	325	0	320	6	316	6	312	0	310	6
28-lb.	323	0	318	6	314	6	310	0	308	6
56-lb.	319	0	314	6	310	6	306	0	304	6
RUMS										
1-cwt.	—		299	0	295	0	290	6	289	0
2½-cwt.	—		296	6	293	0	288	6	287	0
5-cwt.	—		—		292	6	288	0	286	0
10-cwt.	—		—		291	6	287	6	286	6

HYDROGEN PEROXIDE.—20 vols. is 4s. 2d. per gall. for carboy lots.

HYDROQUINONE.—Quotations for 1-cwt. lots are 11s. per lb. For smaller quantities viz., 28-lb., 11s. 3d.; 14-lb., 12s.; 7-lb., 2s. 6d.

MAGNESIUM HYDROXIDE, B.P.C.—Makers' price for 1-cwt. lots is 3s. 5d. per lb. and 1-ton, 3s. 2d. per lb.

MAGNESIUM OXIDE, B.P.—Bulk rates are as follows:—LIGHT, 3s. 3d. per lb., and HEAVY, 5s. 4d. per lb. for minimum 1-ton lots.

MAGNESIUM TRISILICATE.—In 28-lb. packages the prices (per lb.) are now as follows:—28-lb., 4s. 9½d.; 1-cwt., 3s. 10d.; 1-cwt., 3s. 8d. Bulk rates for larger quantities are from 3s. 4d. per lb.

SULPHAGUANIDINE.—B.P. is about 21s. per lb. for 5-cwt. lots.

Solvents

ACETONE, B.S.S.—Drum lots are from 112 to £115 per ton. B.P. is 1s. 5d. per lb. for 6-gall. lots.

AMYL ALCOHOL.—Technical grade is 270 per ton.

BENZENE.—Thiophene-free, is 7s. 11d. per gall. in 50-gall. barrels and for 1-gall., 4s. 6d. Technical is 5s. 7d. per gall. in bulk.

CARBON TETRACHLORIDE.—In 1-2 carboy lots, B.P. grade is £120 per ton. TECHNICAL, in 40-gall. drums, in less than 1-ton lots, is £76 per ton; 1 ton and under 2 tons, £74 10s.; 2 tons and under 4 tons, £74; 4 tons and upwards, £73.

DIAMYL PHTHALATE.—Drum lots are 3s. per lb.

DIBUTYL PHTHALATE.—Drum lots are quoted at 2s. 4½d. per lb.

ISOPROPYL ALCOHOL.—Prices range from 8s. 3d. to 19s. 9d. per gall., as to quantity.

Crude Drugs

BALSAMS.—*Canada*: Spot is about 26s. per lb. for clear bright, paper-filtered. *Copaiba*: Para, spot, is 12s. 6d. per lb., duty paid. *Peru* is 11s. per lb., duty paid, and 9s. 9d. c.i.f. *Tolu* (genuine as imported) on the spot is 21s. 6d. per lb., in original cases and for shipment, 19s. c.i.f.

CARDAMOMS.—Aleppy greens for shipment are 9s. per lb., c.i.f., and spot, 15s.

CASCARA SAGRADA.—American bark, 1951 peal, is 325s. per cwt., duty paid. New crop, for shipment, is 300s., c.i.f.

CLOVES.—Offers of Zanzibar on the spot are 11s. 9d. per lb., and 10s. 4½d., c.i.f., for December shipment.

COCHINEAL.—Black-brilliant is from 9s. per lb., and silver grey, 7s. 3d., spot.

COCILLANA.—Bark is 1s. 9d. per lb., spot.

COLCHICUM.—Corms on spot are offering at 2s. 3d. per lb., and seeds, 6s.

COLOCYNTH.—Pulp on the spot is 1s. 9d. per lb., duty paid.

ELEMI.—Spot offers are in the region of 245s. per cwt.

ERGOT.—Offers of Portuguese are about 14s. 6d. per lb., c.i.f. Spot supplies are 15s. per lb. nominal.

GINGER.—African on the spot is 95s. per cwt., and forward at 87s. 6d., c.i.f. Spot quotations for Jamaican are about 120s. for No. 3.

GUAIACUM RESIN.—Quotations are from 3s. per lb. for spot material.

GUM ACACIA.—Kordofan cleaned sorts on the spot are 95s. per cwt.; shipment, 90s., c.i.f.

HONEY.—Spot supplies of Australian are from 100s. to 115s. per cwt., as to quantity; Jamaican is scarce at from 120s. to 130s.; Argentine material is from 120s. to 125s.

MYRRH.—Aden selected sorts are quoted at £16 per cwt., on the spot. Siftings are from £7 10s. to £8 10s., and granulated, £13.

NUTMEGS.—Quiet. West Indian 80's quoted at 3s. per lb. on the spot and 2s. 6½d., c.i.f., for shipment.

ORANGE PEEL.—Bitter quarters are from 1s. 3d. to 1s. 4d. per lb., duty paid.

ORRIS ROOT.—Offers of good quality Florentine are now 155s. per cwt., ex warehouse.

PEPPER.—Quiet. White Sarawak on the spot is now 10s. 9d. per lb., ex wharf, and 10s. 4½d., c.i.f., December shipment. Black Malabar, 1180s. per cwt., spot, and 1065s., c.i.f., December shipment. Black Sarawak is 9s. 6d. per lb., on the spot.

RHUBARB.—Quiet. Shensi is 11s. 6d. per lb.; Double Deer No. 1, 7s. 6d.; other

grades of Chinese rough round at from 3s. 9d. to 6s. all duty paid.

SANDARAC. — Morocco is offering on the spot at 14s. per lb.

SARSAPARILLA. — Jamaican native red is from 2s. 4d. to 2s. 6d. per lb., as to holder. Shipment is 2s. 1½d. c.i.f.

SEEDS. — **ANISE.** — More inquiry. Turkish, 147s. 6d. per cwt., duty paid. Cyprus to arrive, 150s., landed. **CARAWAY.** — Dutch continued to offer at 92s. 6d., duty paid. **CELERY.** — Indian is 1s. 10½d., spot, London. **CORIANDER.** — Market quiet and unchanged. Spot, Morocco, are 32s. 6d. per cwt., duty paid; new crop, 37s. 6d., duty paid. English quoted at 70s. Shipment Morocco quoted at 31s., c.i.f., basis London. **CUMIN.** — Market unchanged, spot, Cyprus, 150s. per cwt.; Indian, 180s.; Morocco, 155s. duty paid. Shipment: Cyprus, 125s.; Indian, new-crop, 160s.; Morocco, 155s., all c.i.f., basis London. **DILL.** — Indian offering at 80s. per cwt., spot, London. **FENNEL.** — Slightly more interest shown. Indian, 205s. per cwt.; French, 195s., duty paid; mid-European, 185s., duty paid, all spot, London. **FENUGREEK.** — Market firm. Spot business has been reported from 40s. to 42s. 6d., duty paid, London. For shipment, 35s. 6d., c.i.f., is now quoted. **MUSTARD.** — English, 75s. to 92s., according to quality.

SENNA. — *Tinnevelly LEAVES*: Prime No. 1 on the spot are 1s. 6d. per lb.; Prime No. 2, 1s. 3d.; Prime No. 3, 11d.; f.a.q., 10d. **PODS**, f.a.q., from 1s. 2d. to 1s. 4d.; hand-picked, now landing, 2s. 6d. to 3s., landed. *Alexandria PODS*, manufacturing, 1s. 10d. to 2s. 3d.; hand-picked, 3s. to 6s.

SLIPPERY ELM BARK. — Selected slabs are 4s. per lb., and grinding quality, 3s. 3d. spot.

SQUILL. — Italian white new-crop is offered from origin at 57s. 6d. per cwt., c.i.f. London. Spot is from 60s. per cwt.

STROPHANTHUS. — *Kombé*, 100 per cent. is quoted at 16s. per lb., on the spot, and *Gratus*, 27s. 6d. per lb.

STYRAX. — Spot is 6s. 3d. per lb., duty paid.

TRAGACANTH. — Unchanged. No. 1 ribbon on the spot is £130 per cwt.; No. 2, £110; No. 3, £80.

TURMERIC. — Madras finger on the spot is 60s. per cwt., and forward, 52s. 6d., and new-crop at 54s. 6d., c.i.f.

VALERIAN. — Indian is offered at 135s. to 137s. 6d. per cwt., spot. Belgian at about 200s.

VANILLIN. — Present rates (per lb.) are as follows:—5-cwt. lots, 35s.; 1-cwt., 35s. 3d.; 56-lb., 35s. 6d.; smaller quantities, 35s. 9d.

WITCH HAZEL. — Leaves on the spot are from 1s. 6d. per lb.

Essential and Expressed Oils

AMBER. — Rectified on the spot is quoted at from 1s. 6d. per lb.

ANISE. — Spot supplies are offered at from 7s. 9d. per lb for original drums, and for shipment, 6s. 7½d., c.i.f.

BERGAMOT. — Nominal spot value is from 100s. to 105s. per lb.

BIRCH TAR. — Rectified is about 14s. per lb. in 1-cwt. lots.

CADE. — Supplies of Spanish are from 2s. per lb., ex warehouse, London.

CAMPHOR, WHITE. — Chinese is 3s. 9d. per lb., on the spot.

CANANGA. — Supplies to come forward are quoted at from 60s. per lb., c.i.f. Java is available on the spot at 72s. 6d. per lb.

CARAWAY. — English-distilled is offered at 45s.; imported oils are from 25s. per lb. for spot.

CARDAMOM. — Offers are from 275s. to 280s. per lb.

CASSIA. — Spot supplies are offered from 19s. 6d. per lb.

CHENOPODIUM. — 1-cwt. lots are 75s. per lb.

CINNAMON. — B.P. oil on the spot is quoted at from 65s. to 70s. per lb. English bark oil is offered at 20s. per oz. Ceylon leaf is about 10s. 9d. per lb.

CITRONELLA. — Spot prices for original drums are: Ceylon, 3s. 6d. per lb.; Formosa, 3s. 8d. in bond; Java, 4s. in bond. Forward: Ceylon, 3s. 4d.; Formosa, 3s. 5½d., and Java, 3s. 11d., all c.i.f., December shipment.

CLOVE. — Madagascar leaf on the spot is 12s. 9d. per lb., duty paid, and 10s. 9d. c.i.f. for shipment; redistilled, from 17s. 6d. per lb., spot.

EUCALYPTUS. — Drum lots of 70 to 75 per cent. eucalyptol on the spot are 5s. per lb., and 80 to 85 per cent., 5s. 3d.

GERANIUM. — Bourbon on the spot is from 75s. per lb.

HYDNOCARPUS. — Spot is offered at 2s. 2d. per lb.

JUNIPER BERRY. — Imported oils are offered at 17s. 6d. per lb., duty paid. English-distilled is offered at 75s. to 95s. per lb., as to seller and grade.

LEMONGRASS. — East Indian is 6s. 9d. on the spot and 6s. 4½d. per lb., c.i.f.

NUTMEG. — English-distilled oil is about 33s. per lb. Imported oil (B.P.) is offered at 25s. per lb., duty paid for drum lots.

ORANGE. — Spot offers of sweet range from 16s. 6d. per lb.

PALMAROSA. — East Indian is 47s. 6d. per lb., on the spot.

VETIVERT. — Bourbon in original drums on the spot is about 125s. per lb.

CENSUS OF PRODUCTION REPORTS

CENSUS of production reports have been published recently by H.M. Stationery Office on the industries named below. In interpreting the data, attention should be paid to the qualifications mentioned in the reports and in the separate booklet, "Final Reports of the Census of Production for 1948: Introductory Notes."

Miscellaneous Preserved Foods

Seven larger establishments, including establishments classified to trades other than the miscellaneous preserved foods trade in Great Britain, in 1948 sold 1,000 cwt. prepared arrowroot, valued at £13,000; nineteen larger establishments sold 265 thousand cwt. infants' and invalids' foods other than specifically medicinal, not elsewhere specified, valued at £4,114,000. Larger establishments sold 1,000 cwt. isinglass (excluding brewers' finings) valued at £78,000. Sales by larger establishments in Great Britain in the trade in 1948 of drugs, medicines and medicinal preparations were valued at £389,000. Production in 1937 was valued at £148,000; in 1935 the corresponding value was £121,000.

Fertiliser, Disinfectant and Allied Trades

Gross production by larger establishments in the fertiliser, disinfectant, insecticide and allied trades in Great Britain in 1948 amounted to £30,945,000. Comparable figures for the United Kingdom for 1937 and 1935 respectively were £6,132,000 and £5,362,000. Sales by sixty-five larger establishments, including sales by establishments classified to other trades in Great Britain in 1948, of coal tar disinfectants, antiseptics and sheep and cattle dip and dressings were 24.3 thousand tons valued at £2,077,000. 109 larger establishments sold 14.9 thousand tons of other disinfectants and antiseptics valued at £2,775,000 and fourteen larger establishments sold 7,000 tons of other sheep and cattle dips and dressings valued at £835,000. Production of those disinfectants, antiseptics, etc., in the United Kingdom in 1937 totalled 45.6 thousand tons valued at £1,605,000, including 12,800 tons (£367,000) of sheep and cattle dressings. In Great Britain in 1948 sales of industrial and household insecticides, rodenticides, etc., by ninety-two larger establishments amounted to 3.7 thousand tons (£1,153,000). Twenty-four larger establishments sold 5.5 thousand tons of

other insecticides valued at £465,000. Fifty-seven larger establishments sold 16.1 thousand tons (£3,289,000) of agricultural and horticultural insecticides and fungicides other than nicotine and nicotine insecticides. Forty-seven larger establishments sold 12.1 thousand tons (£935,000) of weedkillers; and nineteen larger establishments sold 21.3 thousand cwt. (£290,000) of nicotine and insecticides containing nicotine. In 1937, in the United Kingdom, total production of insecticides, rodenticides, fungicides other than nicotine and nicotine insecticides, was 14.6 thousand tons (£424,000); production of weedkillers was 1.4 thousand tons (£32,000); and production of nicotine and nicotine insecticides was 21,000 cwt. (£116,000). Sales of drugs and pharmaceutical preparations by the trade in Great Britain in 1948 were valued at £293,000, whereas in the United Kingdom in 1937 production was valued at £5,000, and in 1935, £4,000. Sales of washing materials, soapless detergents and scouring materials other than soap by the trade in Great Britain in 1948, totalled 110.5 thousand cwt. (£270,000). Sales by the trade in 1948 in Great Britain to wholesalers, merchants and other agents for resale were valued at £9,256,000 (29.4 per cent. of total sales); and to retailers, including multiple shops, caterers, etc., for resale, were £1,951,000 (6.2 per cent. of total sales). The trade in Great Britain purchased 37.9 thousand cwt. (£69,000) of white arsenic; 3.6 thousand cwt. (£16,000) of other arsenic compounds; 33.9 thousand cwt. (£336,000) of benzene hexachloride; and 14.5 thousand cwt. (£237,000) of DDT in the course of the year 1948.

Bombardment with Blotting Paper. —

"The general practitioner's life is not made easier by the unceasing postal bombardment with bits of blotting-paper — varied with high-grade glossy—designed to impress on him the virtues of proprietary remedies. There is, of course, no positive harm in this breakfast-table series, and no doubt when they are taken to school by the doctor's children the status of the family is enhanced. But it is a sobering thought that these snappy pharmacological messages often occupy most of the time which a busy practitioner can spare for professional reading."—A *Peripatetic Correspondent* in the "Lancet."

TRADE MARKS

From the "Trade Marks Journal," November 26

For pharmaceutical preparations (5)

MYVAX, 707,992, by Eastman Kodak Co., New York, U.S.A. THIOPAS, ACROTEBEN, 708,047-48, by Farbenfabriken Bayer, Leverkusen, Germany. NEO-PICATYL, 708,521, by Winthrop Products (Proprietary), Ltd., Johannesburg, South Africa. ORTHOXICOL, 709,256, by Upjohn of England, Ltd., London, E.C.2. DICALETS, 709,296, by Abbott Laboratories, Chicago, U.S.A. CHOXEN, 709,759, by C. E. Fu'ford, Ltd., Leeds. CHLOR-TRIMETON, PRANTAL, 710,095-97, by Schering Corporation, New Jersey, U.S.A. APOMETRENE, 711,710, by Ciba, Ltd., Basle, Switzerland.

For veterinary preparations containing sulphanilamide (5)

TIPSULPH, 710,487, by B. C. Tipper & Son, Ltd., Birmingham.

For anæsthetics (5)

RAVOCAIN, 711,415, by Bayer Products, Ltd., London, W.C.2. RAVOCAIN, 711,416, by Winthrop Products, Ltd., London, S.W.1.

For sedatives and sleeping tablets (5)

CALCIBARB, 711,612, by British Chemotheutic Products, Ltd., Bradford.

For all goods (5)

THIAMOPLEX, 711,677, by Paines & Byrne, Ltd., Greenford.

For anti-smoking drugs in tablet form (5)

TAXSAVE, 711,706, by L. McIlroy, London, N.W.2.

For industrial protective gloves (9)

BULWARK, 711,094, by A. T. Weston (Protex), Ltd., Birmingham.

For photographic apparatus (9)

DEAJAC, 711,445, by Douglas Jackson, London, E.C.4.

For hearing aids (10)

SPECTA-PHONE, 711,086, by Fortiphone, Ltd., London, W.1.

For hair curlers and hair grips (26)

DINKIE, B702,603, by Dinkie, Ltd., Birmingham.

From the "Trade Marks Journal," December 3

For hair-setting preparations (3)

STA-SET, B699,145, by Stab'ond Laboratories, Ltd., London, W.1.

For common soap (3)

STERRO, 700,894, by Laporte Chemicals, Ltd., Luton.

For toilet articles made of metal (3)

ROYDIUM, 703,178, by Roy Tallent, Ltd., London, E.C.1.

For non-medicated toilet preparations (3)

SHARIA, 709,055, by Silver Dollar Products, Manchester. VALSTAR, 709,438, by the International Import and Export Corporation, Ltd., Nassau, Bahama Islands.

For essential oils (3)

PRUDENTE, 711,274, by C. W. Field, Ltd., Liverpool.

PRINT AND PUBLICITY

Price Lists

EDWARD GURR, LTD., 42 Upper Richmond Road, London, S.W.14: Michrome brand biological stains and reagents. Pp. 42.

WM. GARDNER & SONS (GLOUCESTER), LTD., Bristol Road, Gloucester: Powder-processing machinery. Applications should be marked "General Catalogue CD1."

A. B. BOFORS, Nobelkrut, Bofors, Sweden: Chemical products. Loose-leaf. Gives analytical data for properties and uses of, and containers for each product.

Booklets

ALLEN CHLOROPHYLL CO., LTD., Wharf Road, Cite Road, London, N.1: "Allen Chlorophyll Bulletin." Scientific and commercial fact for manufacturers using chlorophyll.

IMPERIAL CHEMICAL INDUSTRIES, LTD., Imperial Chemical House, Millbank, London, S.W.1: Booklet, "Clear Water." Pp. 26. Outline methods of removing colour and turbidity from water, and describes how chemical coagulants can be used to improve sedimentation and filtration. Post-clarification treatments to render the water suitable for specific purposes are considered.

MONSANTO CHEMICALS, LTD., Allington House, Allington Street, London, S.W.1: Booklet on use of sodium benzoate as corrosion inhibitor. Pp. 16. List of Monsanto chemicals and plastic. Pp. 16. Booklet on effluent purification at the company's Ruabon, North Wales, factory. Booklet on the company's research and development. Pp. 16.

Advertising Campaigns

WHITEWAYS CYDER CO., LTD., Whimple, Devon: Sanatogen tonic wine. In national Press.

DUNLOP RUBBER CO., LTD., Cambridge Street, Manchester: Hot-water bottles. In national Press. Leaflet describing the company's range of bottles has been sent to all retail chemists in United Kingdom.

Show Material

EVANS MEDICAL SUPPLIES, LTD., Chilban chilblain cream. Showcard and counter leaflets.

ADDIS, LTD. Display stand for Addis beauty brushes 7-in. wide.

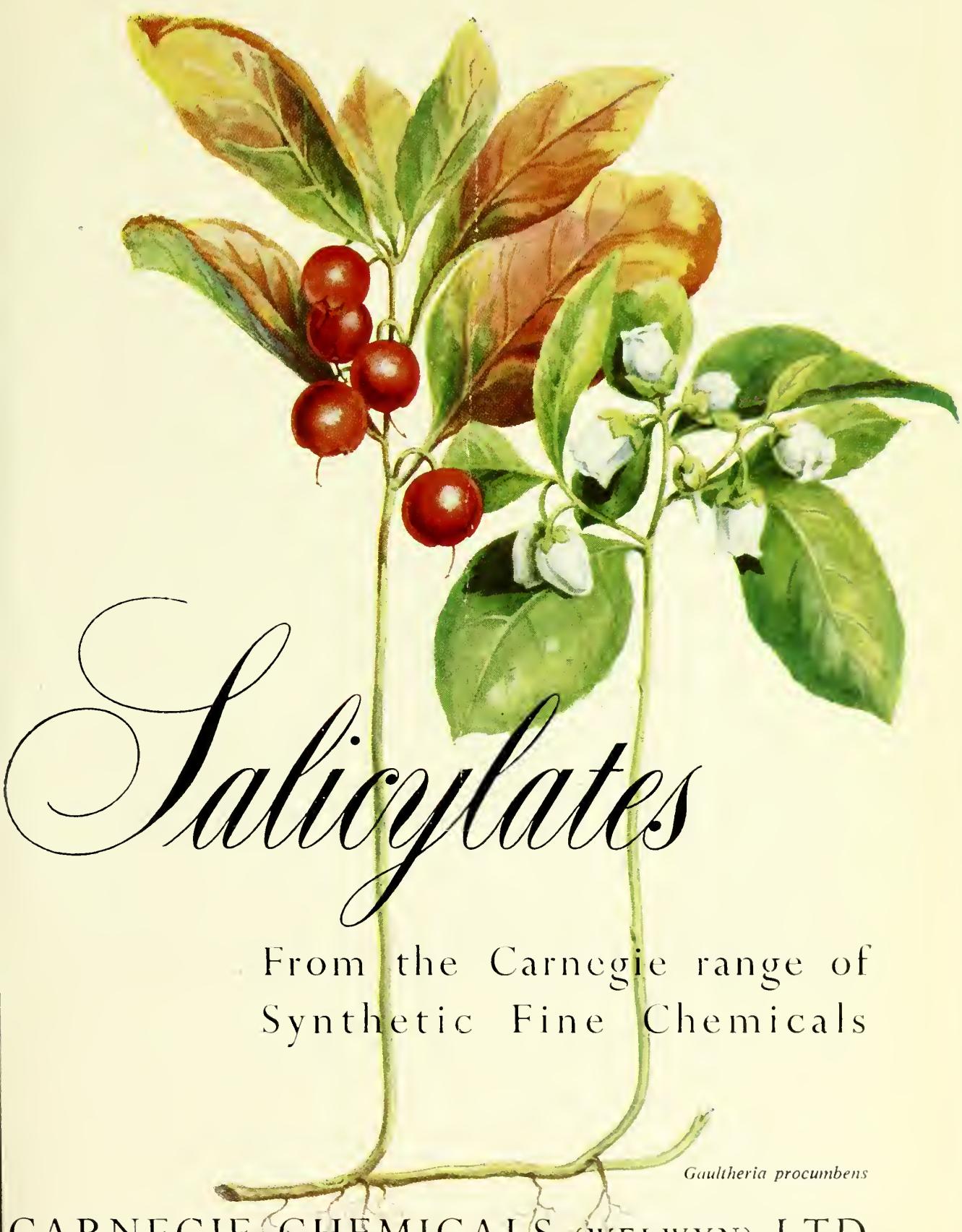
SPA BRUSHES, LTD.: Display outer to hold $\frac{1}{2}$ -dozen each of No. 816 travel hairbrush, No. 311 pocket clothes brush and No. 4 pocket comb, with special provision for display.

Medical Propaganda

MANUFACTURERS' leaflets, folders, booklets, etc. directed to doctors but available to pharmacists.

CIBA LABORATORIES, LTD., Horsham, Sussex: "Femandren Linguets" (4-p. leaflet) [Corrected note.]

GLAXO LABORATORIES, LTD., Greenford, Middlesex: "Syrup Minadex"; "Fersolate"; "Maltoline with Iron"; "Estopen"; "Penicillin Lozenges, B.P., Glaxo" (4-p. leaflets); "Glu-codin" (6-p. card).



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